LIBRARY OF PHYSICO-CHEMICAL PROPERTY DATA

Handbook of Thermal Conductivity

Volume 2

Organic Compounds C_5 to C_7

Carl L. Yaws

Handbook of Thermal Conductivity

Volume 2

Organic Compounds C_5 to C_7

LIBRARY OF PHYSICO-CHEMICAL PROPERTY DATA

Handbook of Vapor Pressure

Volume 1: C_1 to C_4 Compounds (Product #5189)
Volume 2: C_5 to C_7 Compounds (Product #5190)
Volume 3: C_8 to C_{28} Compounds (Product #5191)
Volume 4: Inorganic Compounds and Elements (Product #5394)
Carl L. Yaws

Handbook of Viscosity

Volume 1: C_1 to C_4 Compounds (Product #5362)
Volume 2: C_5 to C_7 Compounds (Product #5364)
Volume 3: C_8 to C_{28} Compounds (Product #5368)
Carl L. Yaws

Handbook of Thermal Conductivity

Volume 1: C_1 to C_4 Compounds (Product #5382)
Volume 2: C_5 to C_7 Compounds (Product #5383)
Volume 3: C_8 to C_{28} Compounds (Product #5384)
Carl L. Yaws

Each of the above series contains data for more than 1,000 organic compounds, including hydrocarbons, oxygenates, halogenates, nitrogenates, sulfur compounds, and silicon compounds. The data are presented in graphs for *vapor pressure, viscosity,* or *thermal conductivity* as a function of temperature and are arranged by carbon number and chemical formula to enable the engineer to quickly determine values at the desired temperatures.

Handbook of Transport Property Data (Product #5392)

Carl L. Yaws

Comprehensive data on viscosity, thermal conductivity, and diffusion coefficients of gases and liquids are presented in convenient tabular format.

Physical Properties of Hydrocarbons

Volume 1, Second Edition (Product #5067)
Volume 2, Third Edition (Product #5175)
Volume 3 (Product #5176)
Volume 4 (Product #5272)
R. W. Gallant and Carl L. Yaws

The four-volume series provides chemical, environmental, and safety engineers with quick and easy access to vital physical property data needed for production and process design calculations.

Thermodynamic and Physical Property Data (Product #5031)

Carl L. Yaws

Property data for 700 major hydrocarbons and organic chemicals, including oxygen, nitrogen, fluorine, chlorine, bromine, iodine, and sulfur compounds, are provided.

LIBRARY OF PHYSICO-CHEMICAL PROPERTY DATA

Handbook of Thermal Conductivity

Volume 2

Organic Compounds C_5 to C_7

Carl L. Yaws

Gulf Publishing Company
Houston, London, Paris, Zurich, Tokyo

Handbook of Thermal Conductivity, Volume 2

Copyright © 1995 by Gulf Publishing Company, Houston, Texas. All rights reserved. Printed in the United States of America. This book, or parts thereof, may not be reproduced in any form without permission of the publisher.

Gulf Publishing Company
Book Division
P.O. Box 2608 □ Houston, Texas 77252-2608

10 9 8 7 6 5 4 3 2 1

Printed on Acid-Free Paper (∞)

Library of Congress Cataloging-in-Publication Data

Yaws, Carl L.
Handbook of thermal conductivity / Carl L. Yaws.
p. cm. — (Library of physico-chemical property data)
Includes bibliographical references.
Contents: v. 1. Organic compounds, C_1 to C_4 — v. 2. Organic compounds, C_5 to C_7 — v. 3. Organic compounds, C_8 to C_{28}.
ISBN 0-88415-382-7 (v. 1). — **ISBN 0-88415-383-5** (v. 2). — ISBN 0-88415-384-3 (v. 3)
1. Heat—Conduction—Handbooks, manuals, etc.
I. Title. II. Series.
QD257.7.Y38 1995
661.8—dc20 95-5676
CIP

CONTENTS

Preface vii

Thermal Conductivity Graphs for C_5 to C_7 Compounds 1

References 368

Appendix A: Coefficients for Liquid Thermal Conductivity Equation 370

Appendix B: Coefficients for Gas Thermal Conductivity Equation . .376

Appendix C: Data Code for Compounds 382

Appendix D: Compound List by Formula 387

Appendix E: Compound List by Name 395

CONTRIBUTORS

Li Bu	Graduate student, Chemical Engineering Department, Lamar University, Beaumont, Texas 77710, U.S.A.
Jack R. Hopper	Professor and Chair, Chemical Engineering Department, Lamar University, Beaumont, Texas 77710, U.S.A.
Xiaoyan Lin	Graduate student, Chemical Engineering Department, Lamar University, Beaumont, Texas 77710, U.S.A.
Sachin Nijhawan	Graduate student, Chemical Engineering Department, Lamar University, Beaumont, Texas 77710, U.S.A.
Carl L. Yaws	Professor, Chemical Engineering Department, Lamar University, Beaumont, Texas 77710, U.S.A.

ACKNOWLEDGMENTS

Many colleagues and students have made contributions and helpful comments over the years. The author is grateful to each: Jack R. Hopper, Joe W. Miller, Jr., C.S. Fang, K.Y. Li, Keith C. Hansen, Daniel H. Chen, P.Y. Chiang, H.C. Yang, Xiang Pan, Xiaoyan Lin, Duane G. Piper, Jr., Li Bu, and Sachin Nijhawan.

The author wishes to extend special appreciation to his wife (Annette) and family (Kent, Michele, Chelsea, and Brandon; Lindsay and Rebecca; and Matthew and Sarah).

The author wishes to acknowledge that the Gulf Coast Hazardous Substance Research Center provided partial support to this work.

DISCLAIMER

This handbook presents a variety of thermodynamic and physical property data. It is incumbent upon the user to exercise judgment in the use of the data. The author and publisher do not provide any guarantee, express or implied, with regard to the general or specific applicability of the data, the range of errors that may be associated with any of the data, or the appropriateness of using any of the data in any subsequent calculation, design, or decision process. The author and publisher accept no responsibility for damages, if any, suffered by any reader or user of this handbook as a result of decisions made or actions taken on information contained herein.

PREFACE

Thermal conductivity data are important in many engineering applications in the chemical processing and petroleum refining industries. The objective of this book is to provide the engineer with such data. The data are presented in graphs covering a wide temperature range to enable the engineer to quickly determine values at the temperatures of interest. The contents of the book are arranged in the following order: graphs, references, and appendixes.

The graphs for thermal conductivity as a function of temperature are arranged by carbon number and chemical formula to provide ease of use. Most of the graphs for the liquid cover a wide temperature range extending from melting point to boiling point to near the critical point. The graphs for gas cover a wide temperature range and are applicable at low pressure. Common units are used for thermal conductivity (W/m K). For those involved in English usage, each graph displays a conversion factor to provide the English units.

The coverage encompasses a wide range of organic compounds including hydrocarbons such as alkanes, olefins, acetylenes, and cycloalkanes; oxygenates such as alcohols, aldehydes, ketones, acids, ethers, glycols, and anhydrides; halogenates such as chlorinated, brominated, fluorinated, and iodinated compounds; nitrogenates such as nitriles, amines, cyanates, and amides; sulfur compounds such as mercaptans, sulfides, and sulfates; silicon compounds such as silanes and chlorosilanes; and many other chemical types.

The graphs for liquids are based on both experimental data and estimates. Estimates for liquid thermal conductivity were primarily based on modified Missenard and Pachaiyappan methods. Both experimental data and estimates were then regressed to provide the same equation with wide and extended temperature coverage for all compounds.

Very limited experimental data for liquid thermal conductivities are available at temperatures in the region of the melting point. Also, there are very few reliable data at temperatures above a reduced temperature of $T_f = 0.65$. Thus, the values in the regions of melting point and reduced temperatures above 0.65 should be considered rough approximations. The values in the intermediate region (above melting point and below reduced temperature of 0.65) are more accurate.

The graphs for gases are also based on both experimental data and estimates. In the absence of experimental data, estimates were primarily based on correlations of Roy and Thodos; Misic and Thodos; and Stiel and Thodos and modified Eucken models. Experimental data and estimates were then regressed to provide the same equation for all compounds. The graphs are applicable for low pressure gas. The presented values may be adjusted to provide values at higher pressure using the methods in Reid, Prausnitz, and Poling (25).

Very limited experimental data for gases are available for highly polar and high molecular weight compounds. Also, very few experimental data are available for organic compounds at high temperatures above 600 K. Thus, the values for these compounds and high temperatures should be considered rough approximations.

The literature has been carefully searched in construction of the graphs. The references are given in the section following the graphs near the end of the book. The references provide documentation for the original sources used in preparing the work.

The equations for liquid and gas thermal conductivities are:

$$\log_{10} \lambda_{liq} = A + B\,[1 - T/C]^{2/7} \qquad \text{(liquid)}$$

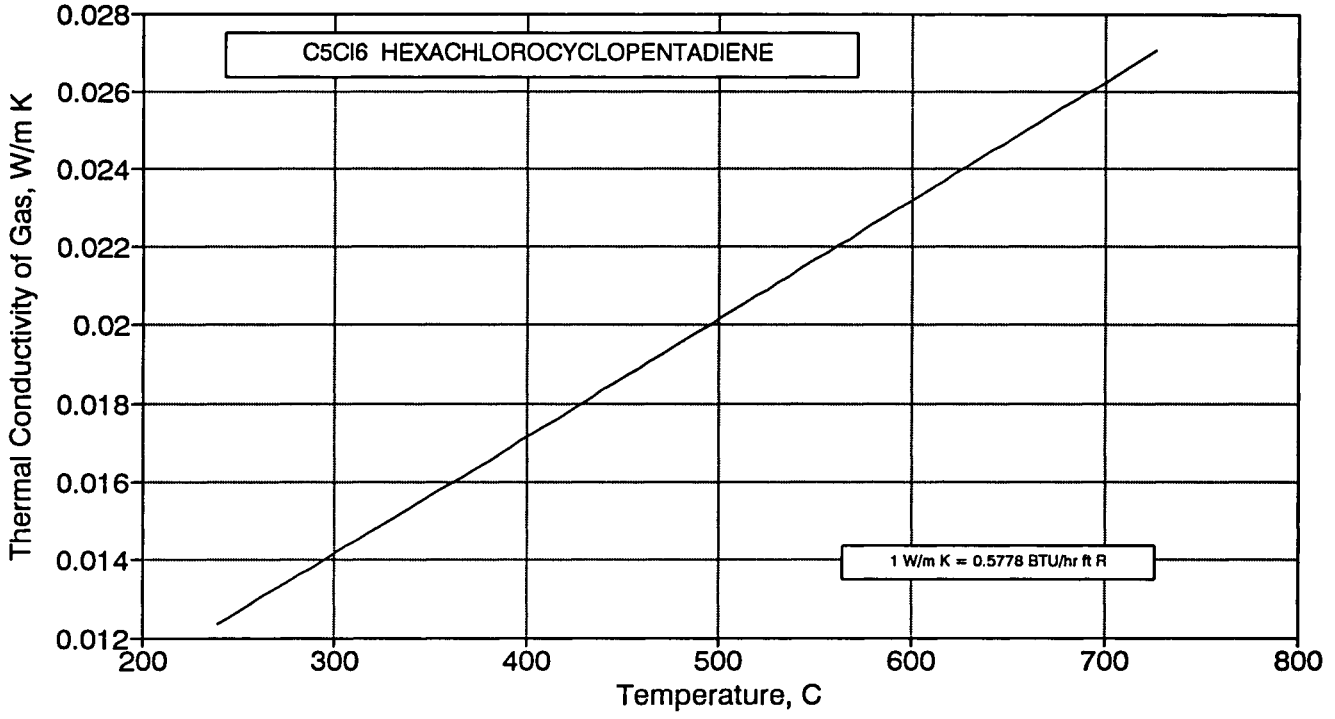
$$\lambda_{gas} = A + B\,T + C\,T^2 \qquad \text{(gas)}$$

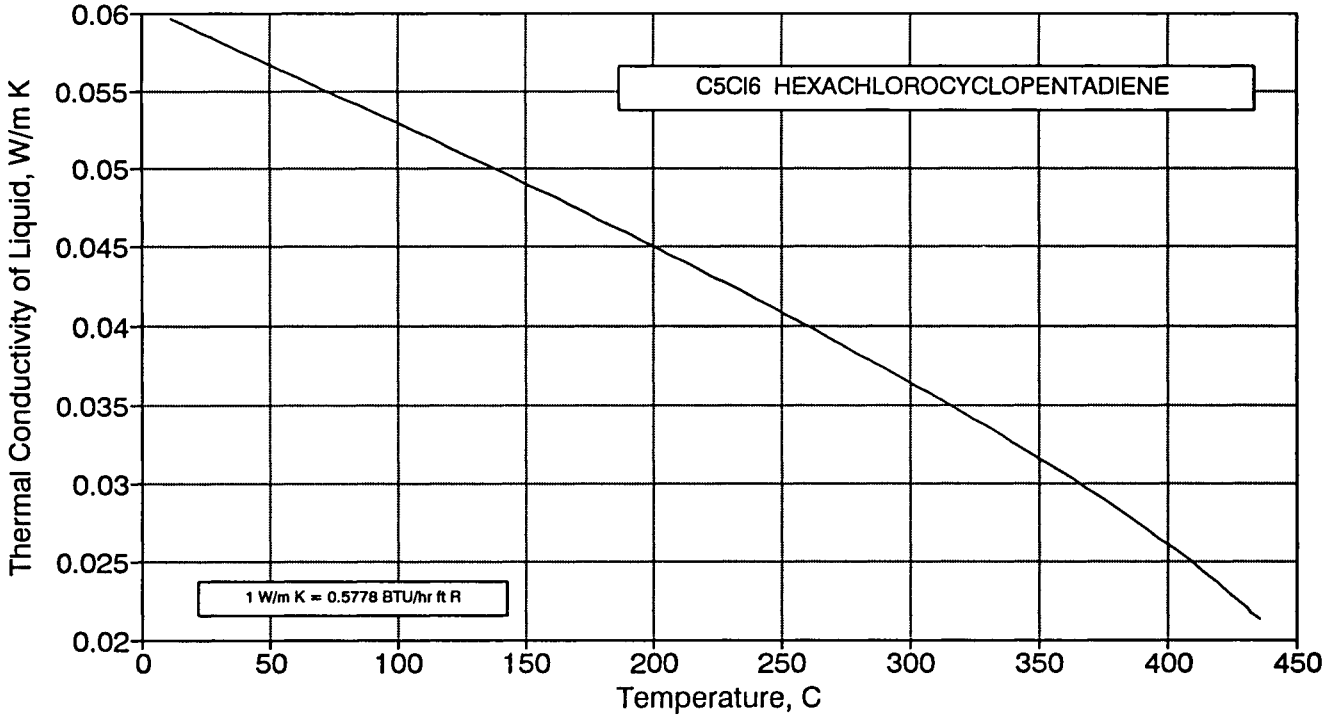
The coefficients for the equations are provided in the appendix near the end of the book. The tabulated values are especially arranged for quick usage with hand calculator or computer. Computer programs, containing coefficients for all compounds, are available for liquid and gas.

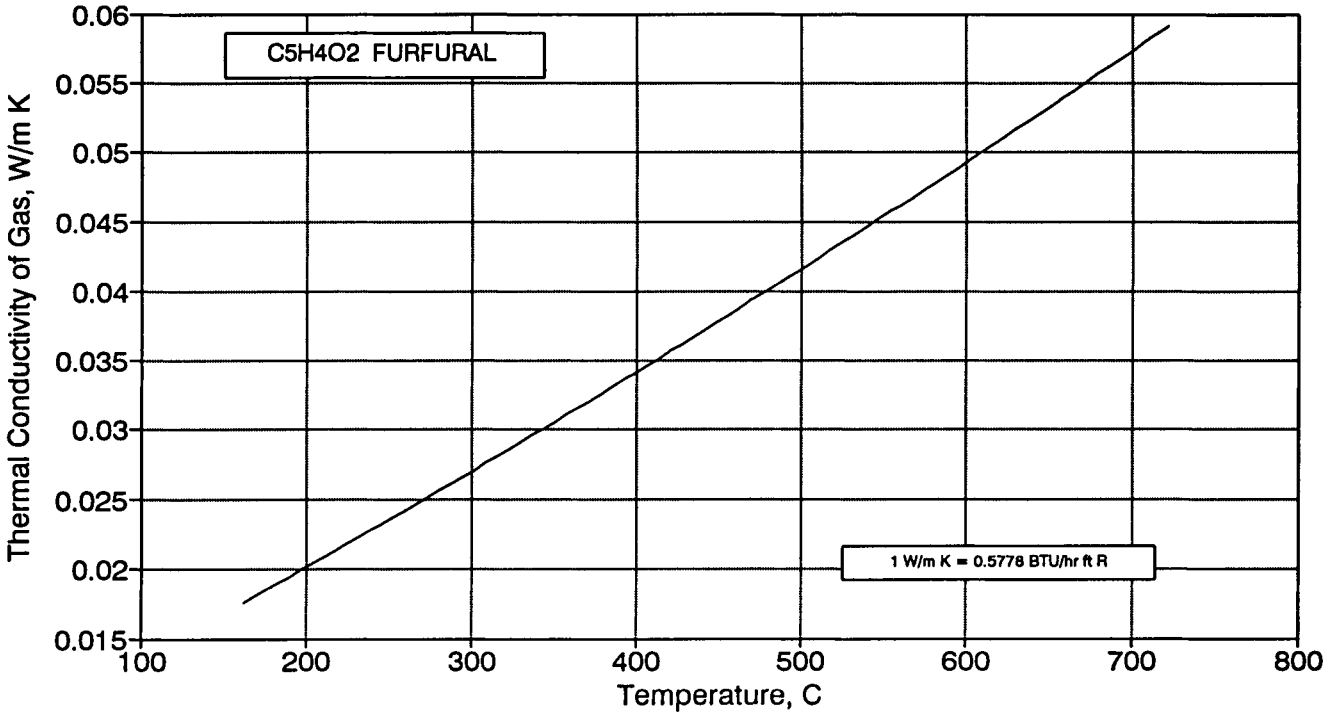
Each program is in ASCII which can be accessed by other software. For information, contact Carl L. Yaws, Ph.D., P.O. Box 10053, Beaumont, Texas 77710, phone/fax (409) 880-8787.

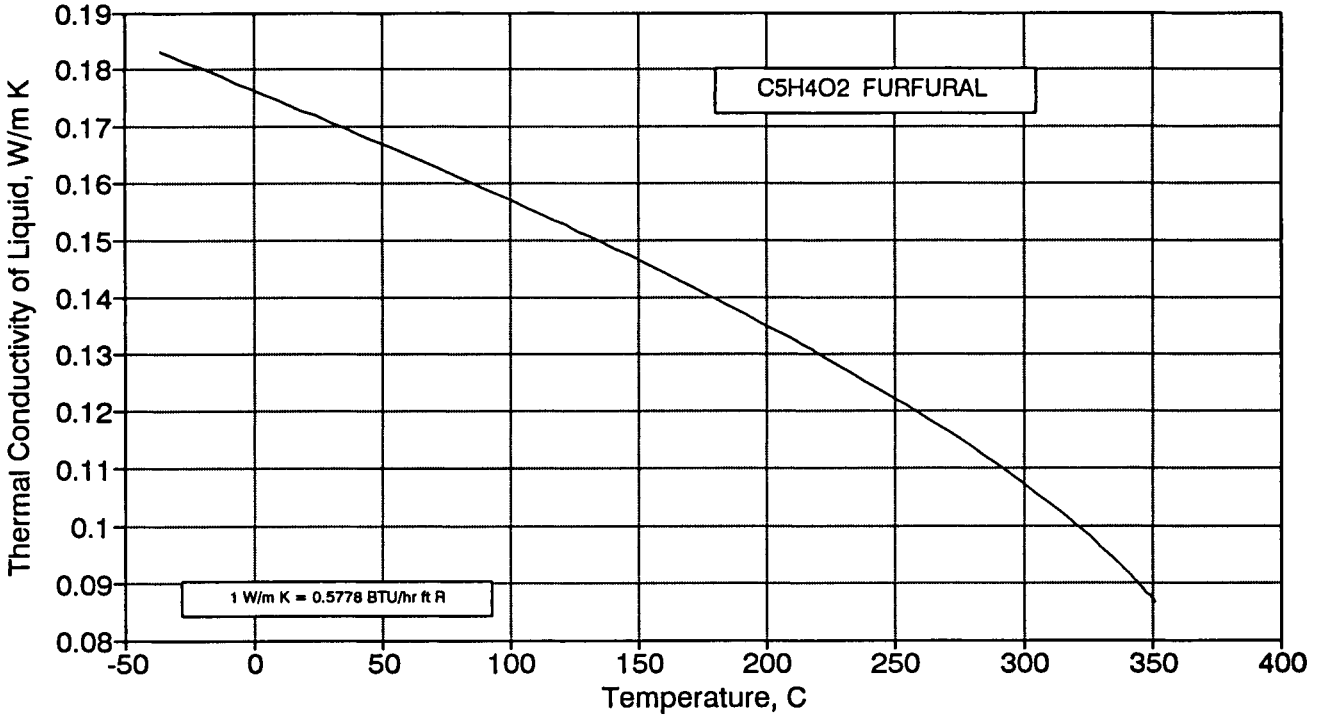
A list of compounds is also given near the end of the book to aid the user in quickly locating the compound of interest by the chemical formula or name.

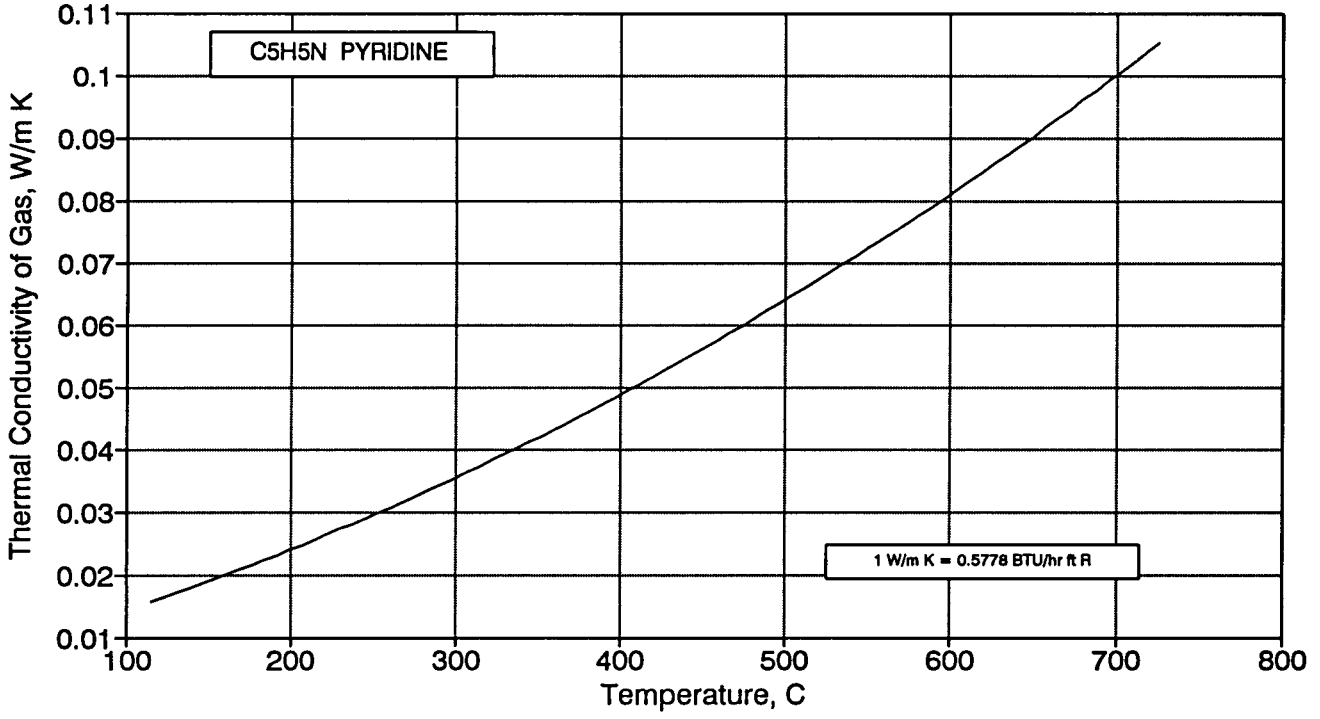
This Page Intentionally Left Blank

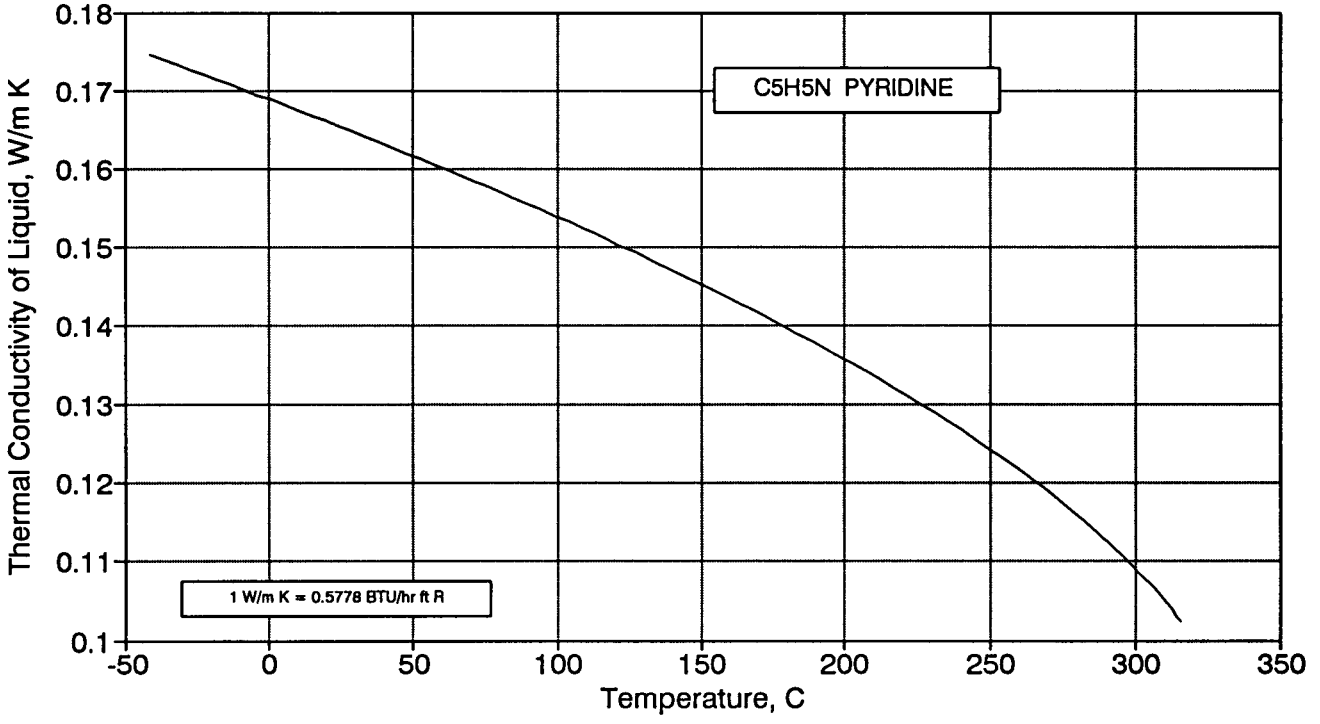

C5Cl6 HEXACHLOROCYCLOPENTADIENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
200
300
400
500
600
700
800
Temperature, C

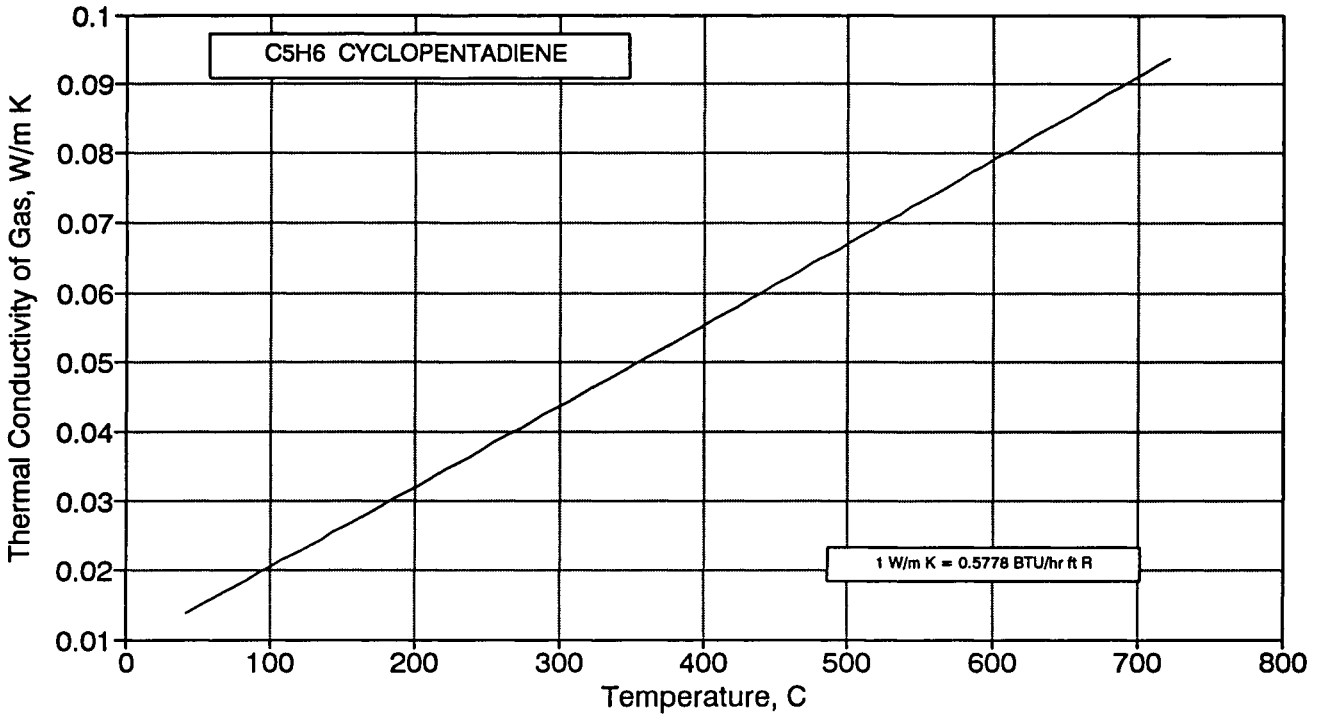

C5Cl6 HEXACHLOROCYCLOPENTADIENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0
50
100
150
200
250
300
350
400
450
Temperature, C

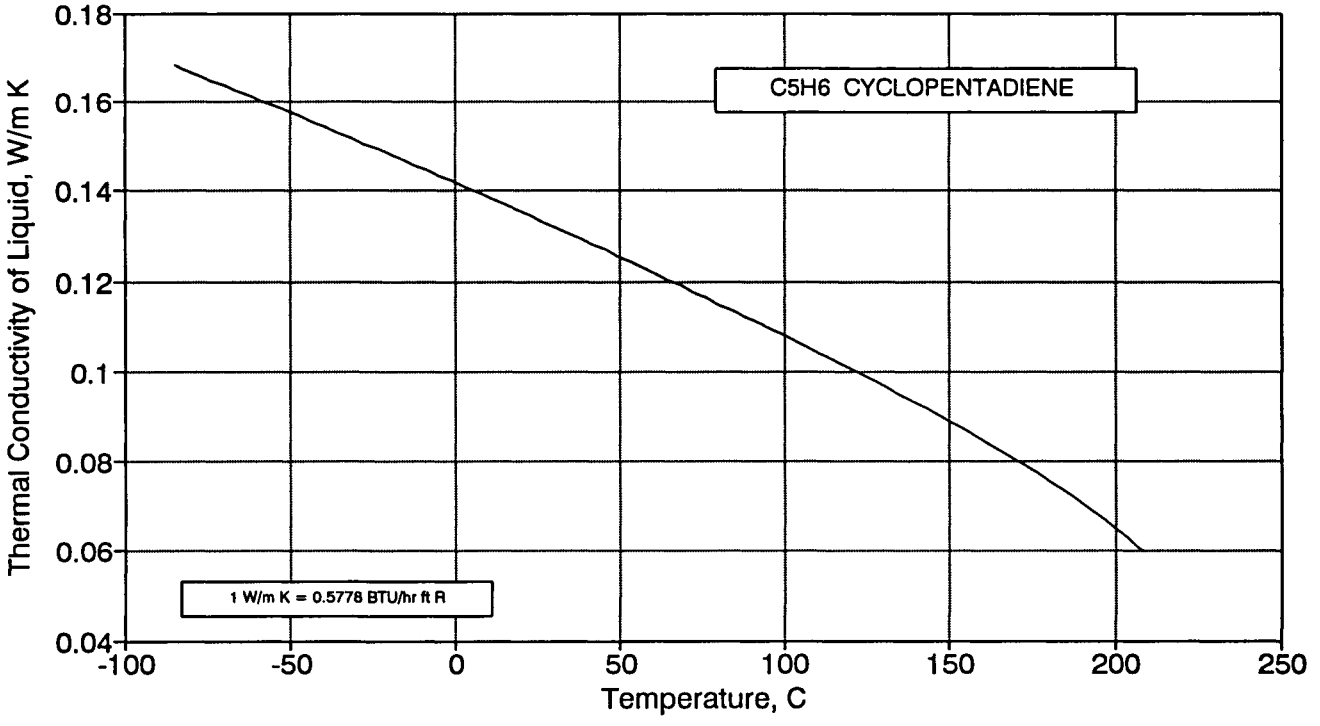

C5H4O2 FURFURAL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
100
200
300
400
500
600
700
800
Temperature, C

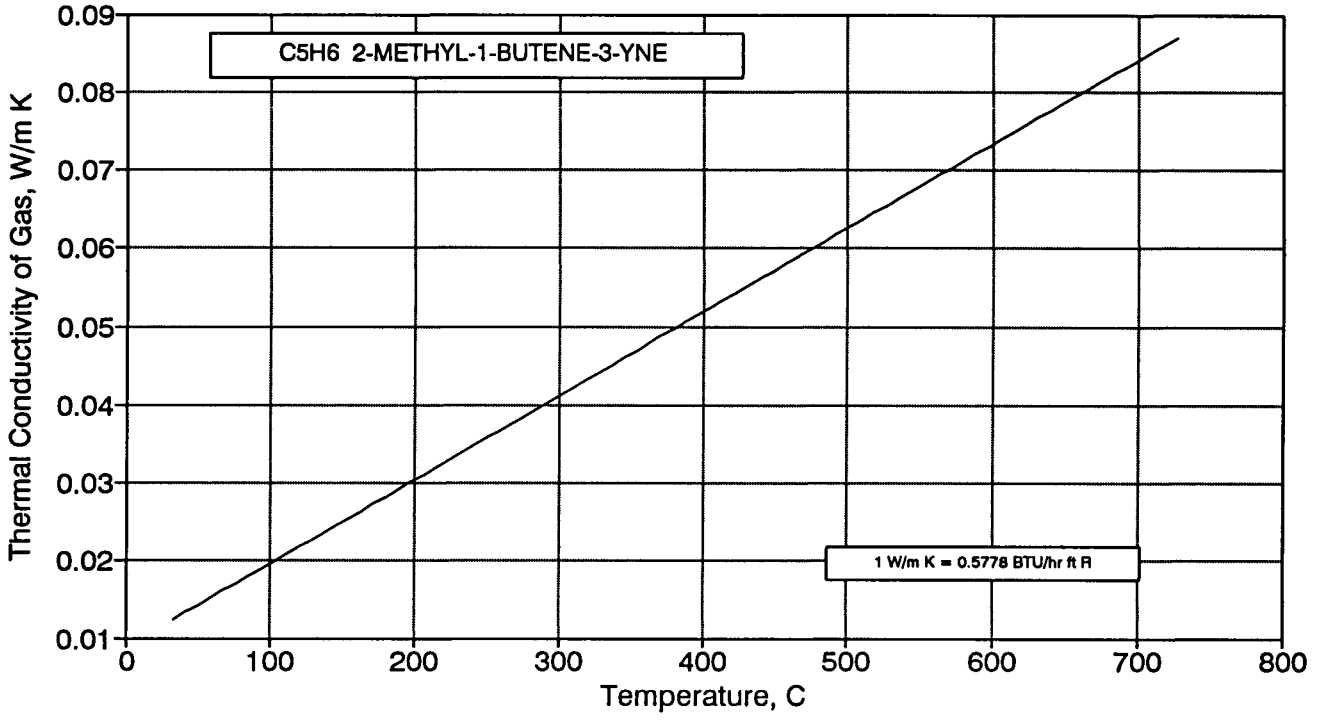

C5H4O2 FURFURAL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.19
0.18
0.17
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
-50
0
50
100
150
200
250
300
350
400
Temperature, C

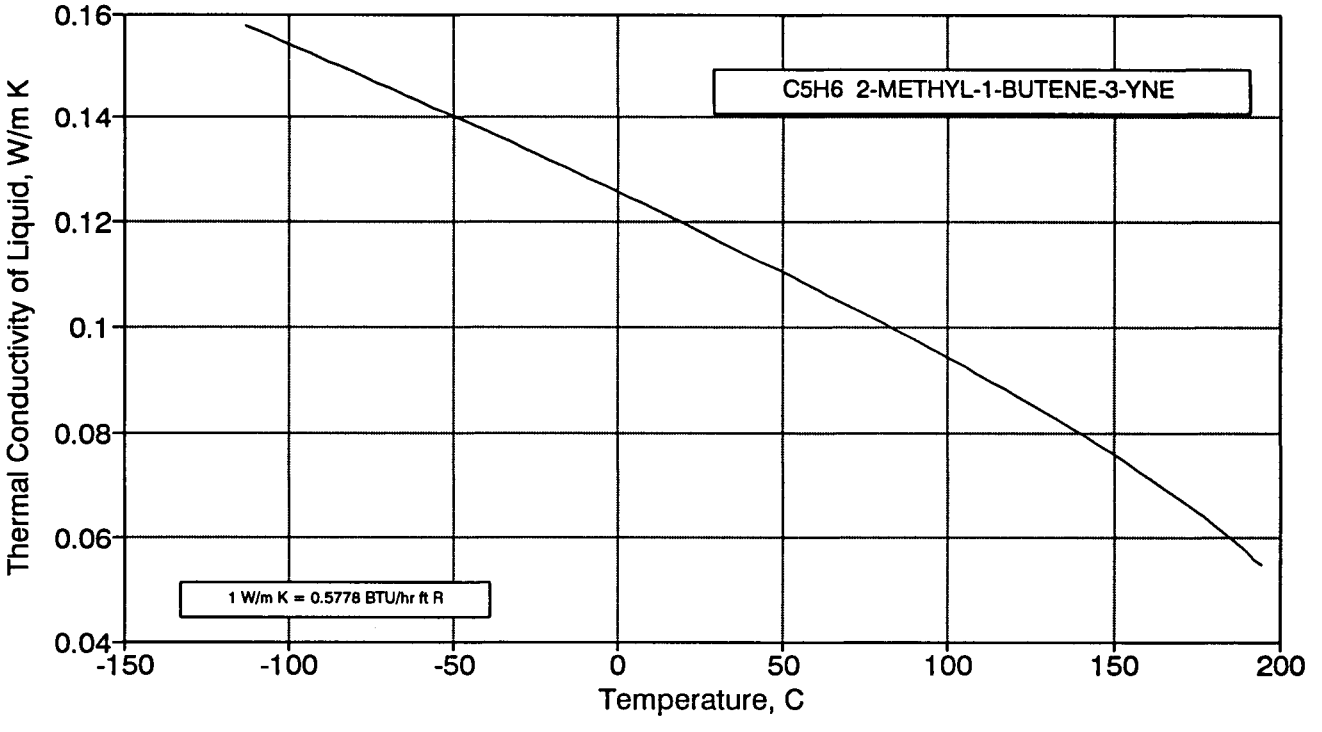

C5H5N PYRIDINE
Thermal Conductivity of Gas, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

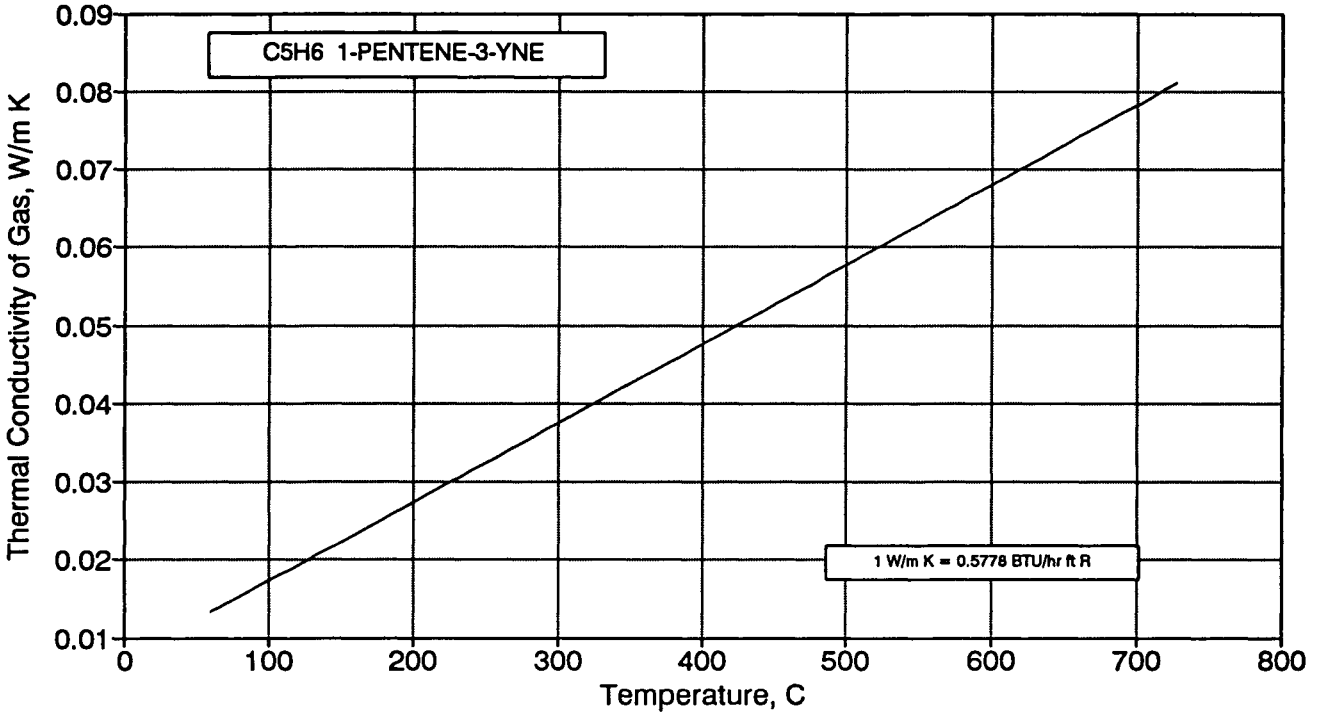

C5H5N PYRIDINE
Thermal Conductivity of Liquid, W/m K
0.18
0.17
0.16
0.15
0.14
0.13
0.12
0.11
0.1
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

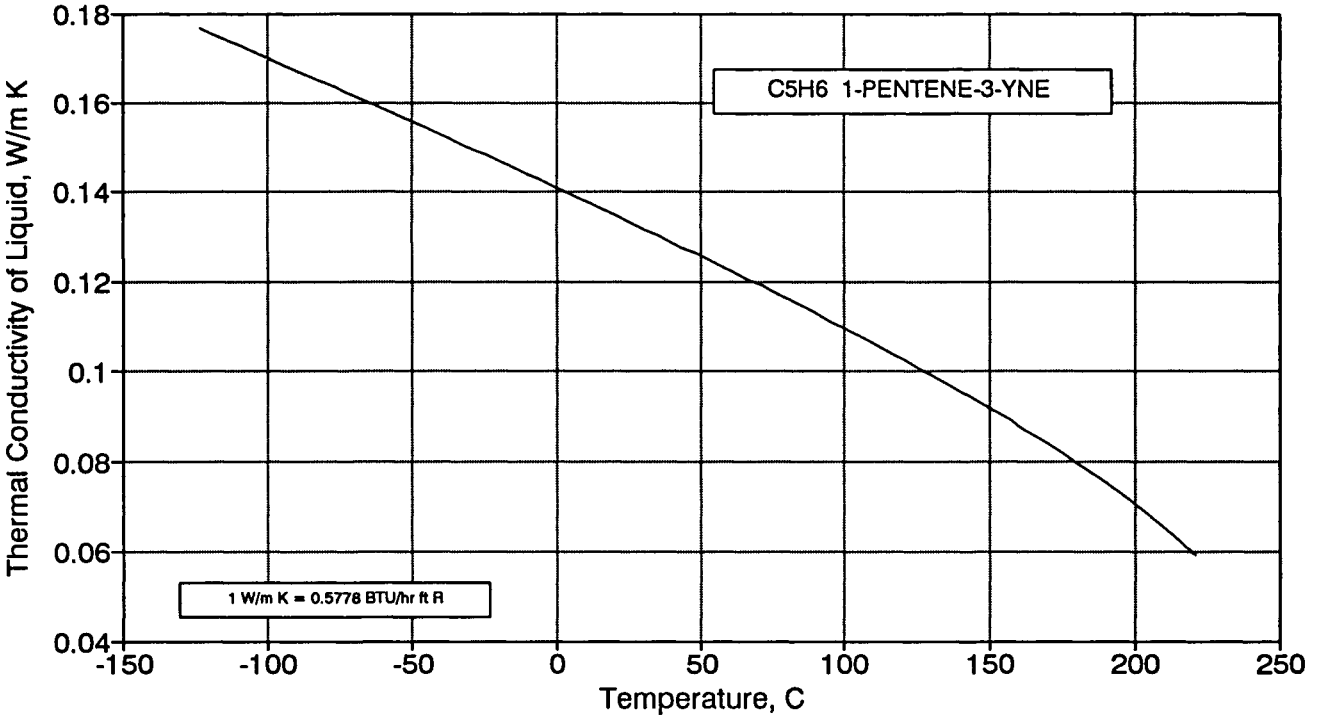

C5H6 CYCLOPENTADIENE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

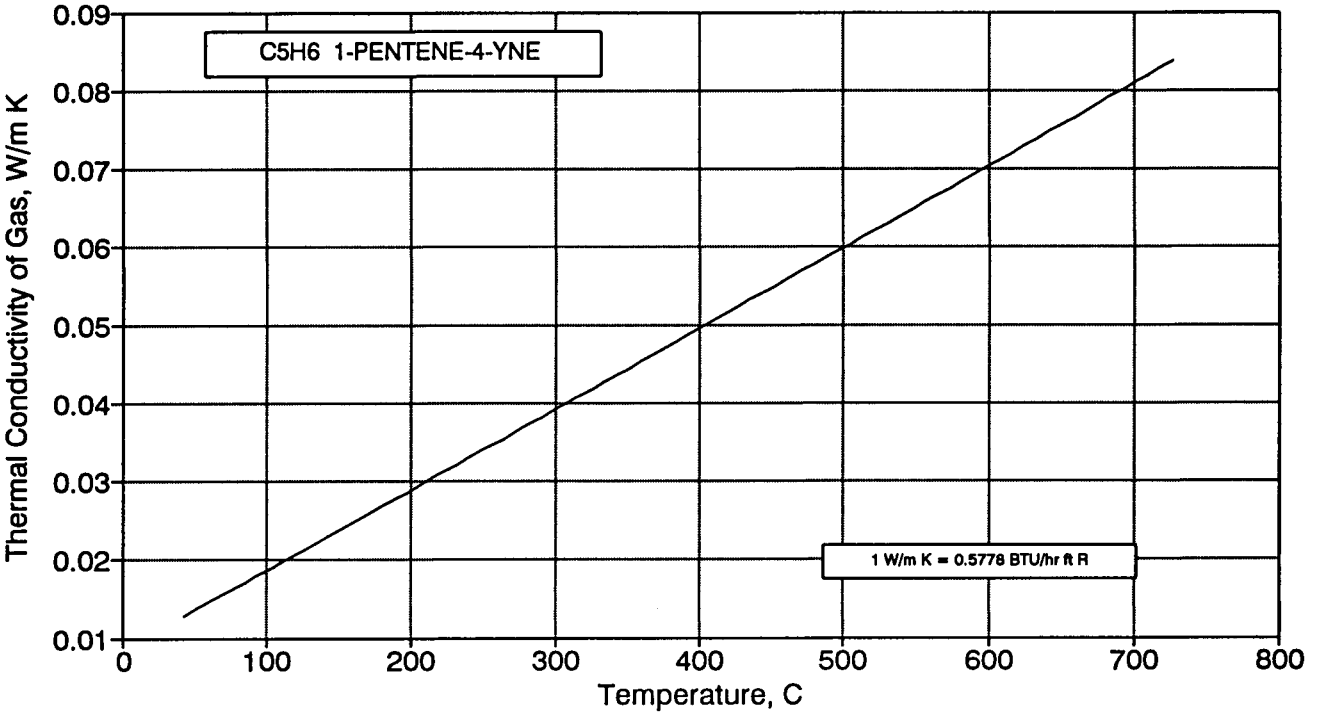

C5H6 CYCLOPENTADIENE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

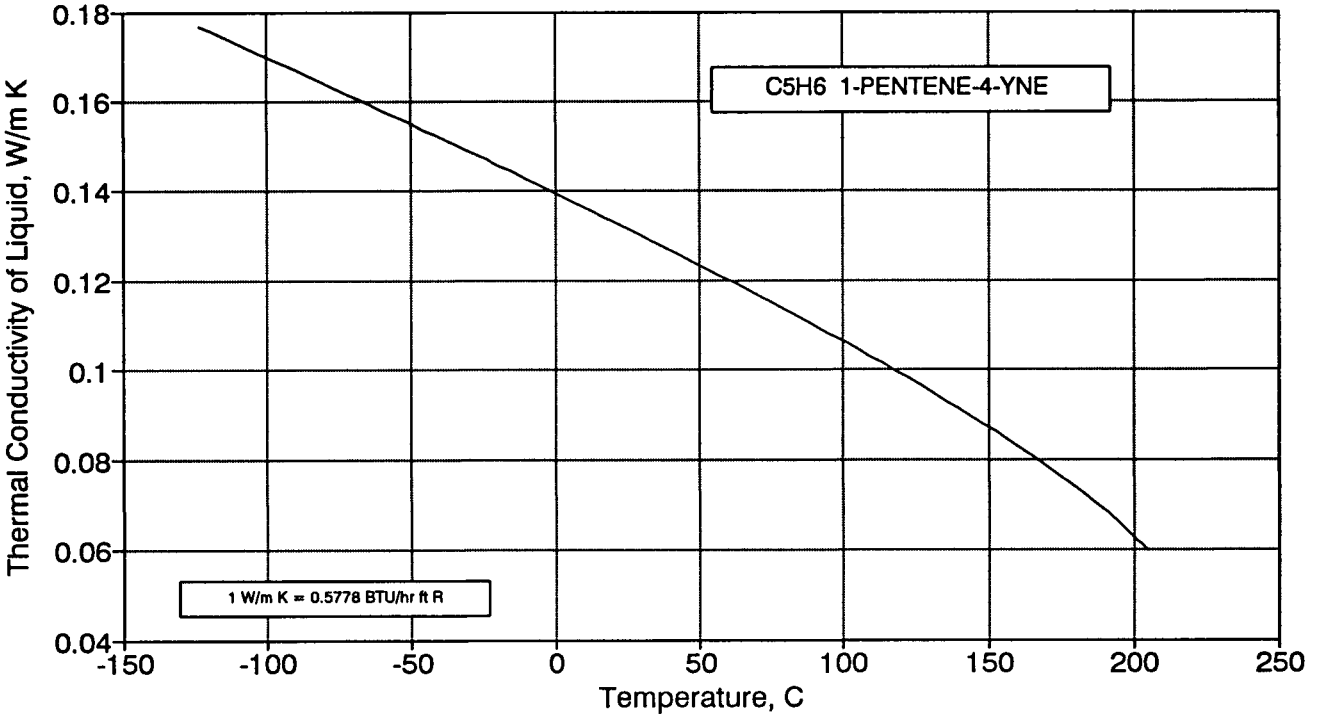

C5H6 2-METHYL-1-BUTENE-3-YNE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C

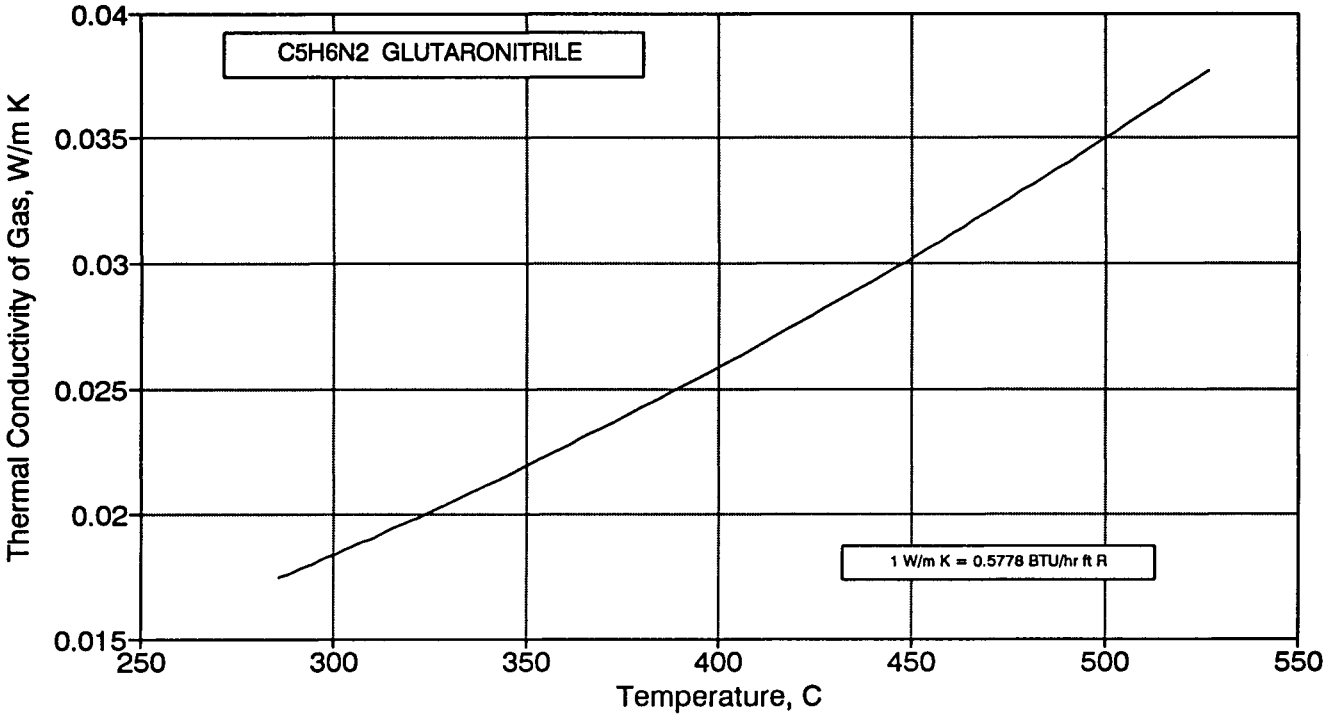

C5H6 2-METHYL-1-BUTENE-3-YNE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
Temperature, C

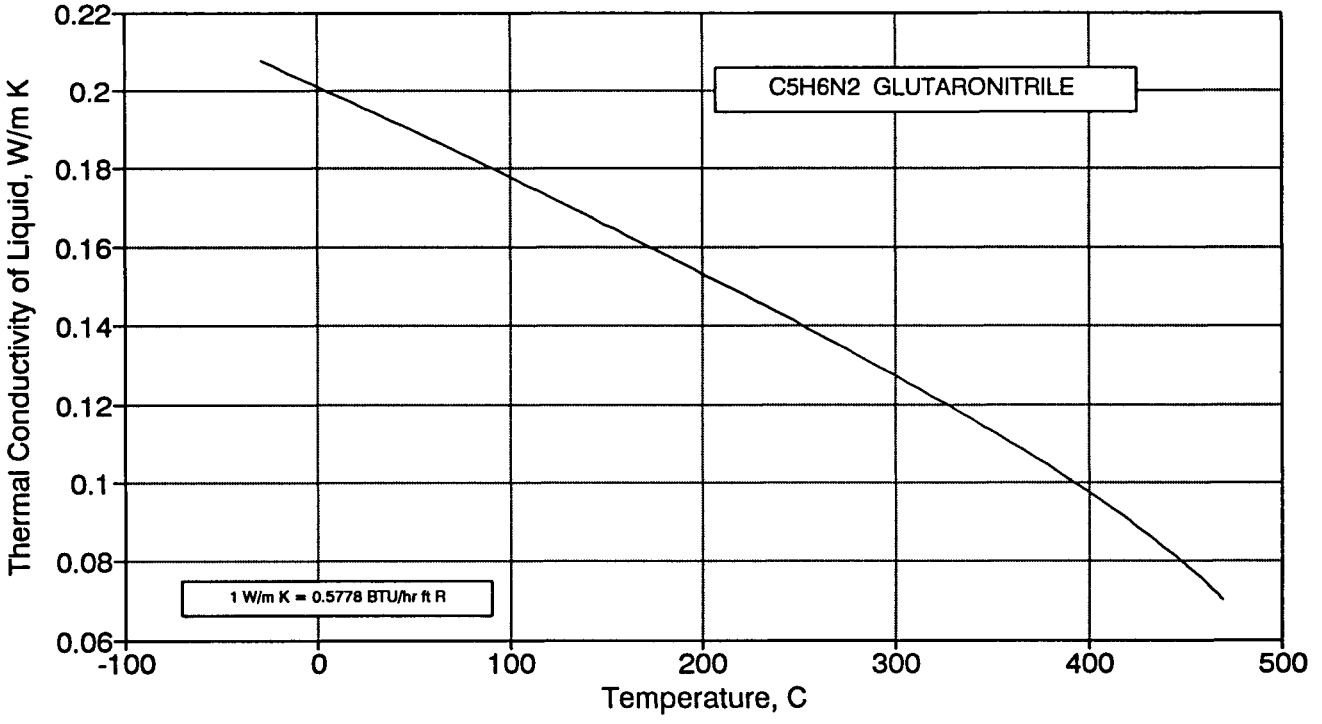

C5H6 1-PENTENE-3-YNE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800

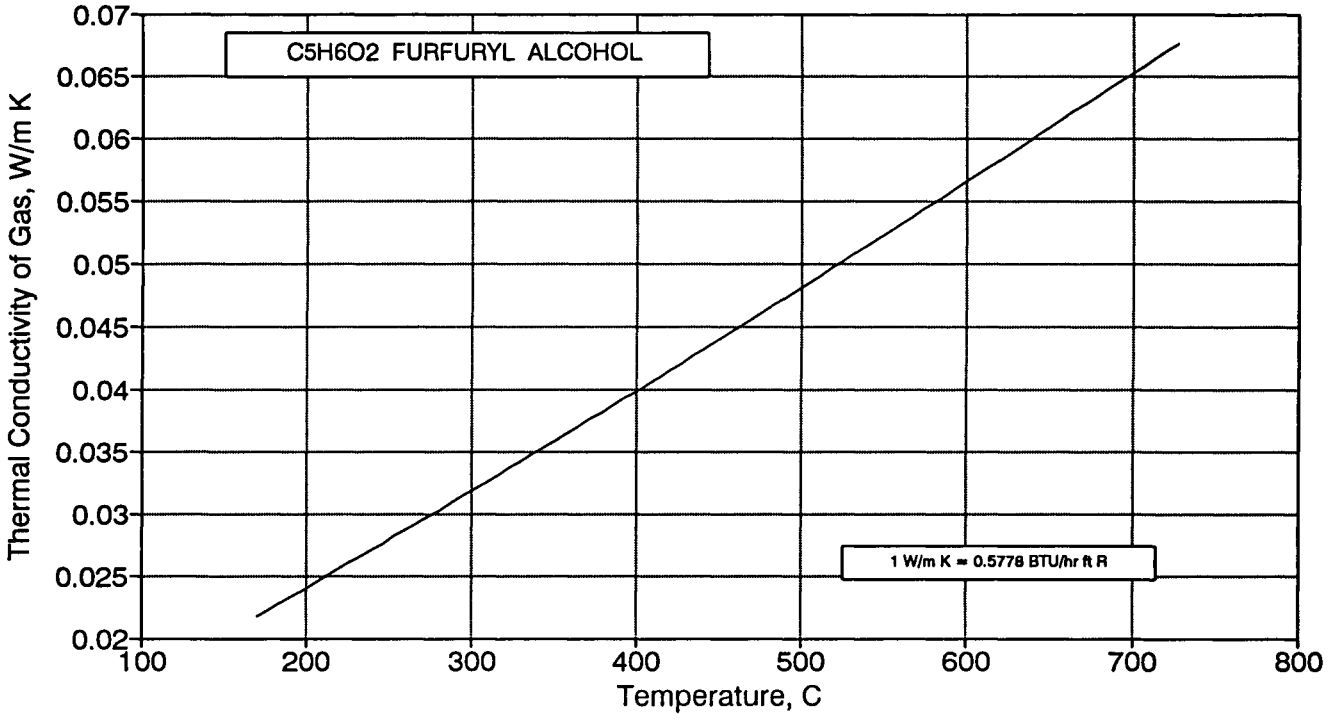

C5H6 1-PENTENE-3-YNE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250

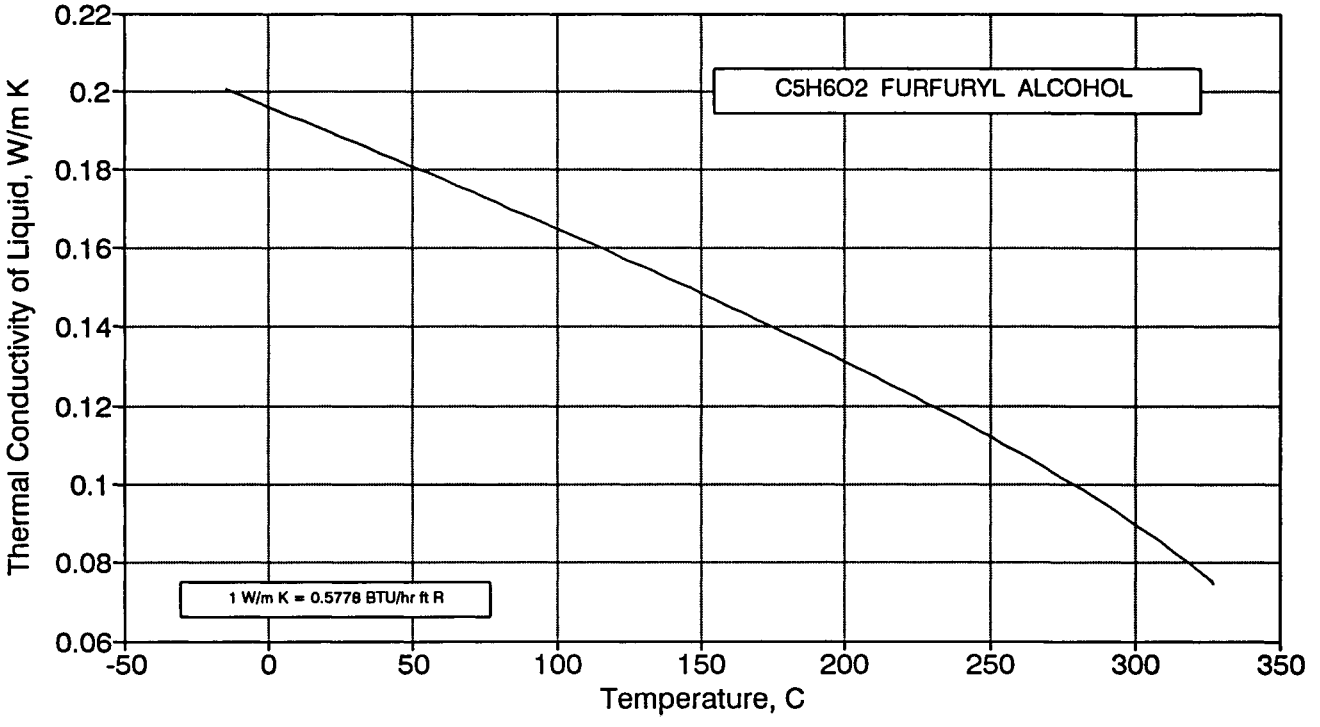

C5H6 1-PENTENE-4-YNE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C

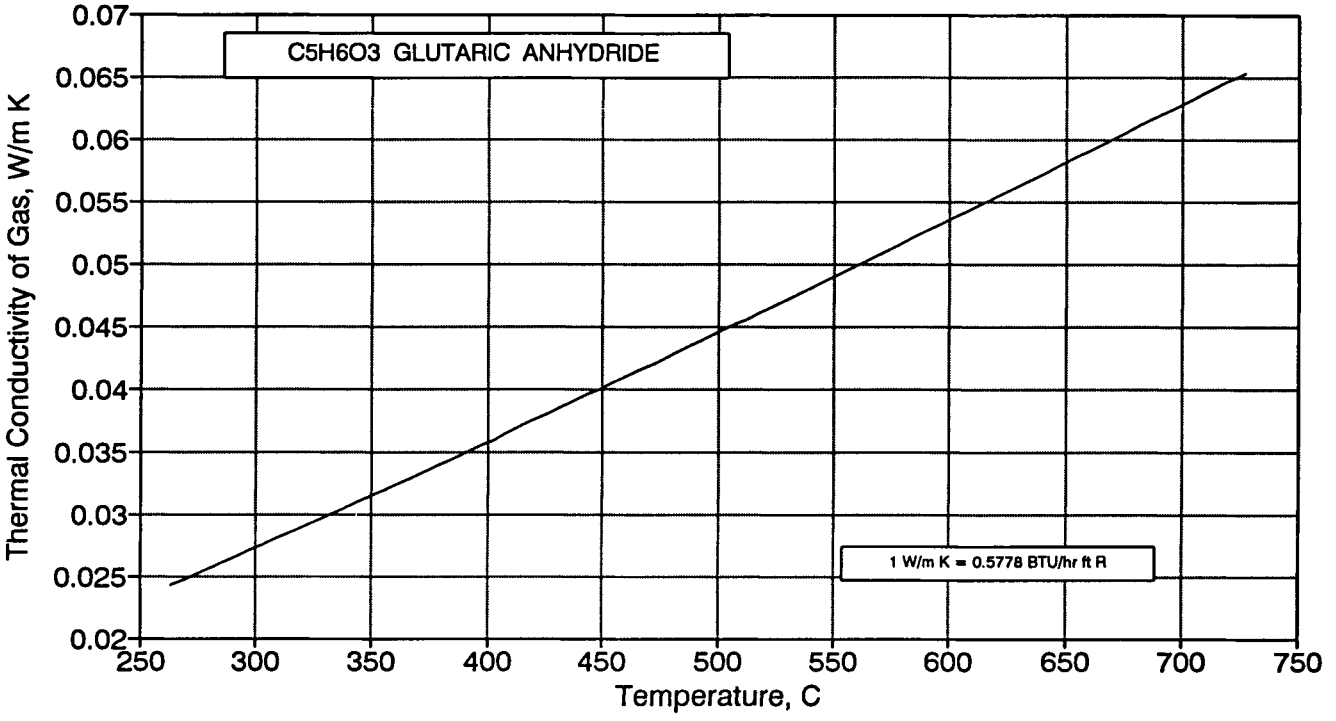

C5H6 1-PENTENE-4-YNE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C

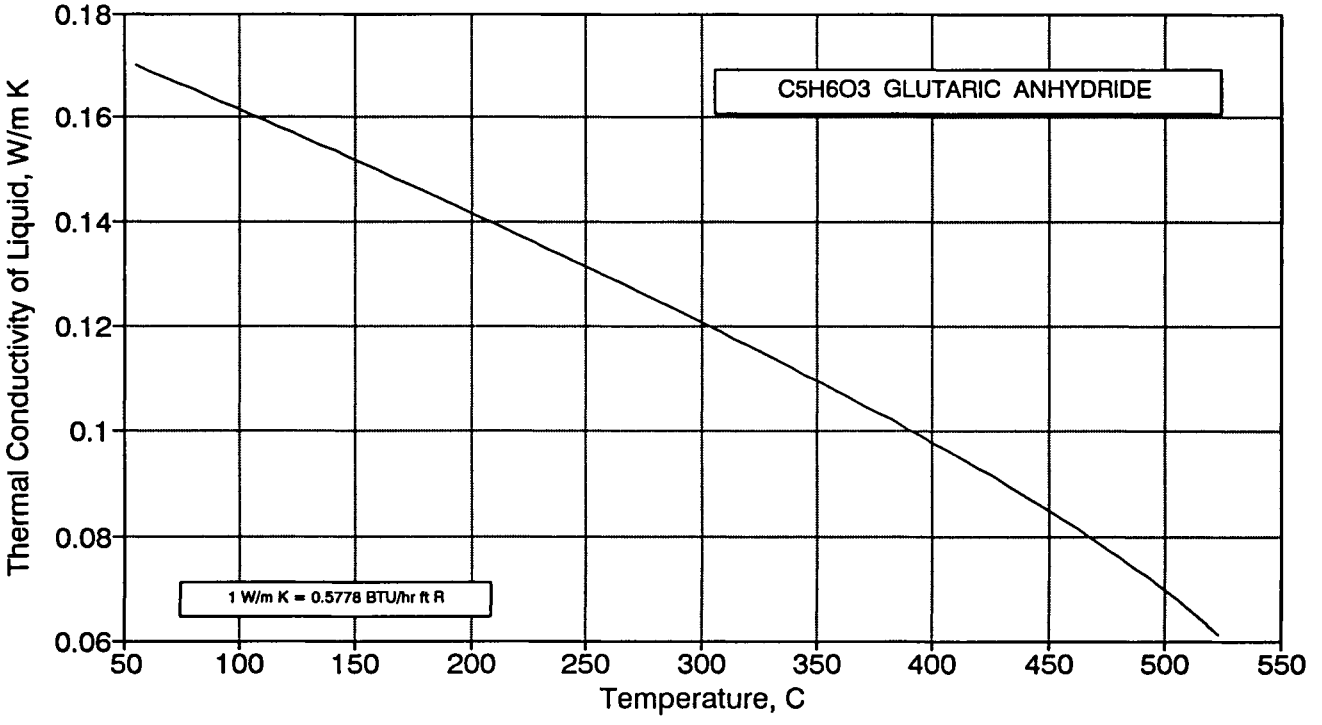

C5H6N2 GLUTARONITRILE
Thermal Conductivity of Gas, W/m K
0.04
0.035
0.03
0.025
0.02
0.015
250
300
350
400
450
500
550
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

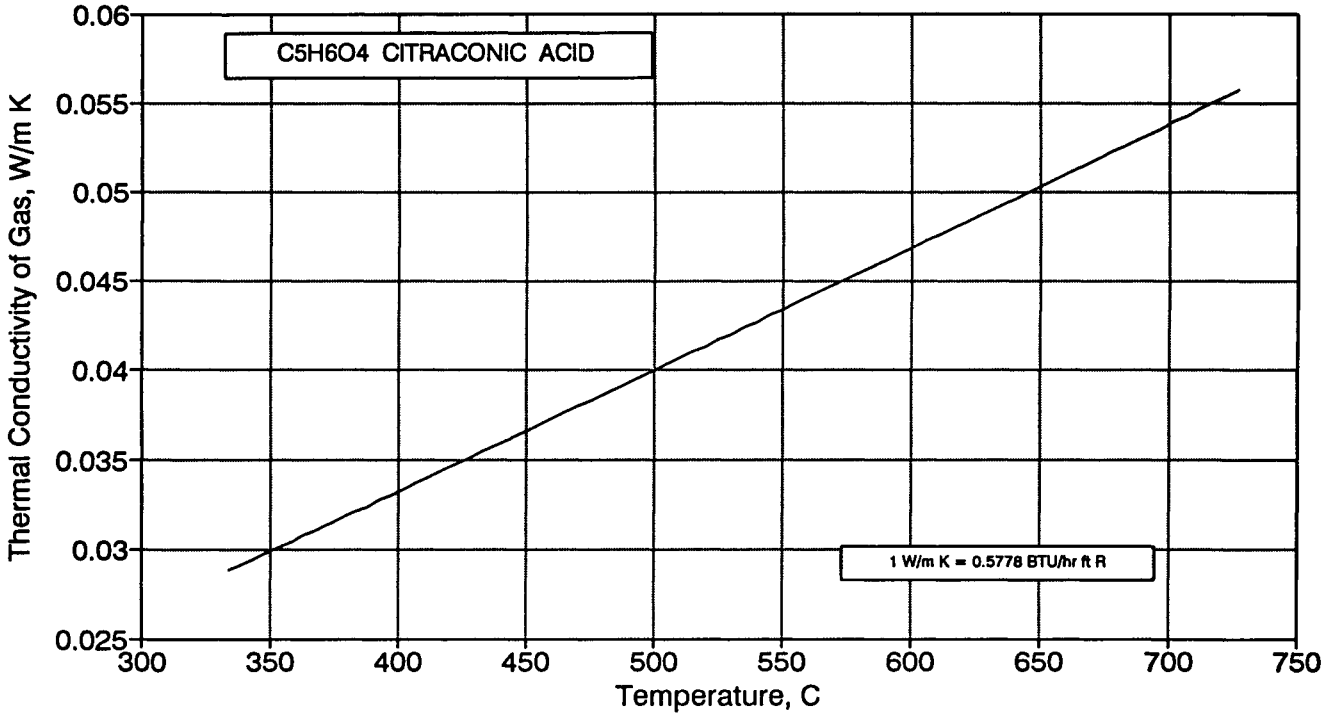

C5H6N2 GLUTARONITRILE
Thermal Conductivity of Liquid, W/m K
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-100
0
100
200
300
400
500
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

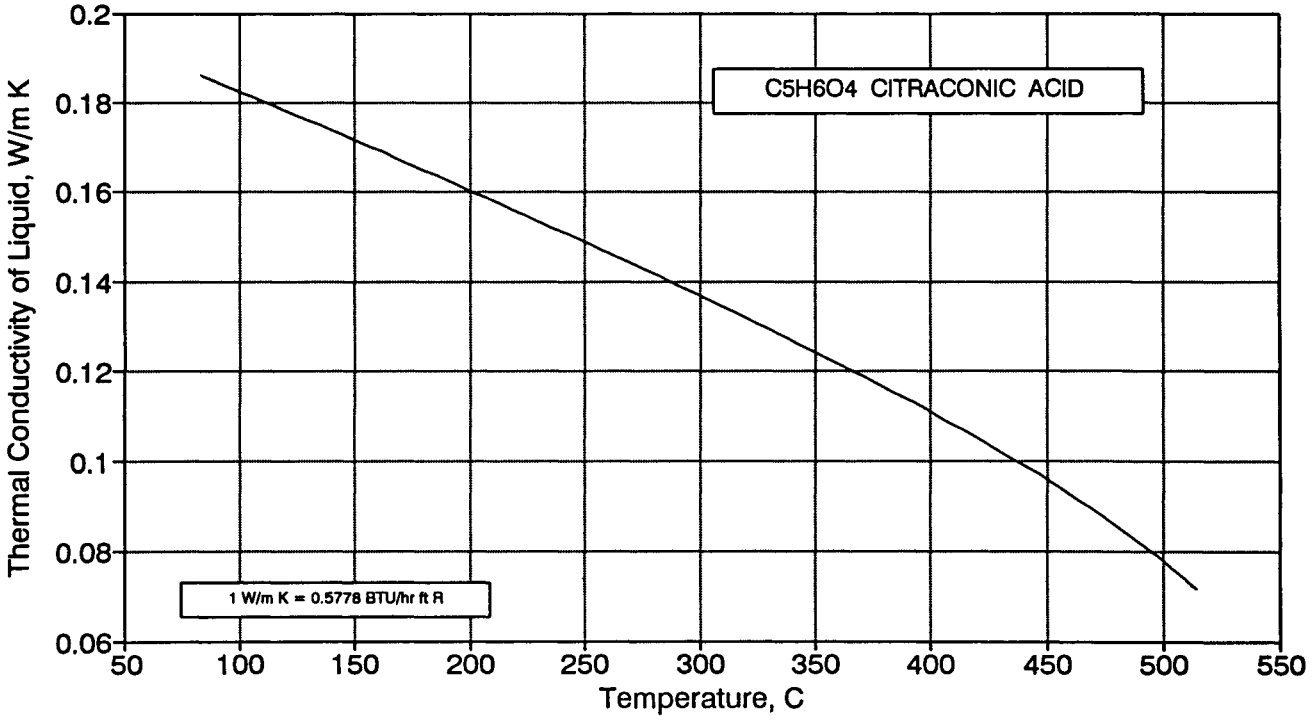

C5H6O2 FURFURYL ALCOHOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
100
200
300
400
500
600
700
800
Temperature, C

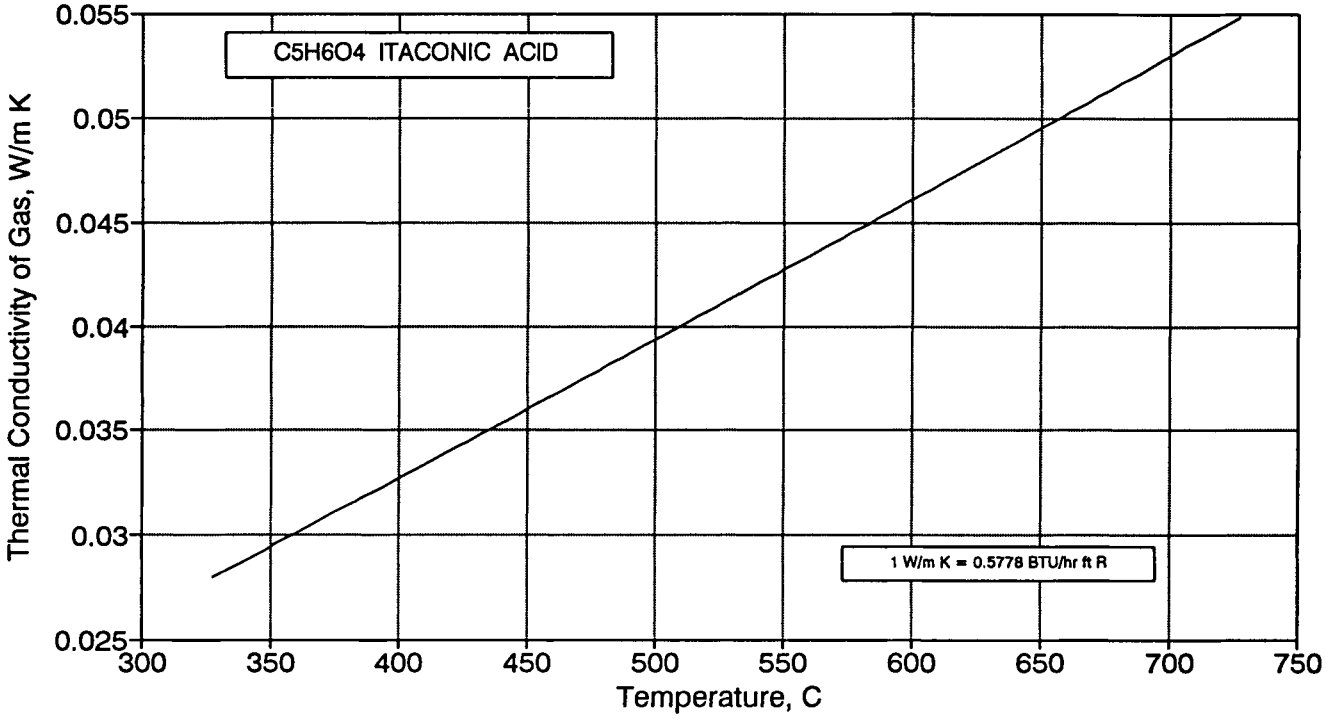

C5H6O2 FURFURYL ALCOHOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-50
0
50
100
150
200
250
300
350
Temperature, C

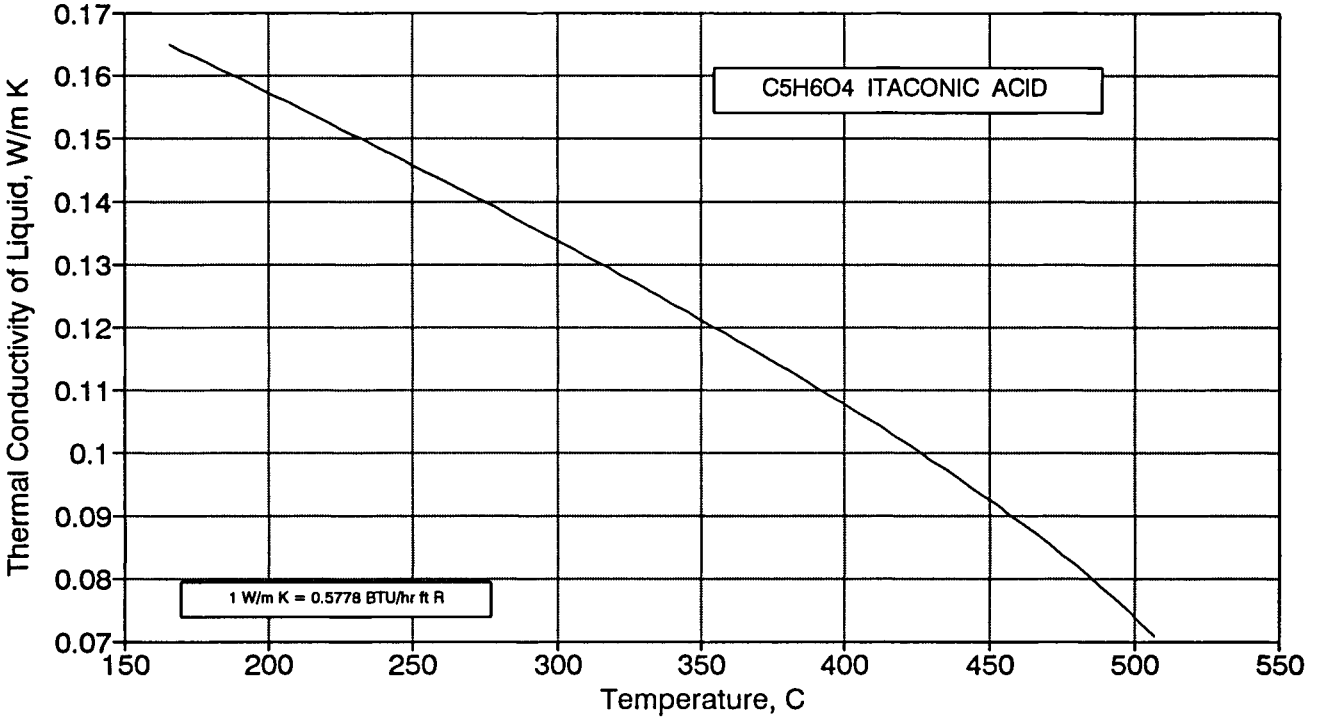

C5H6O3 GLUTARIC ANHYDRIDE
Thermal Conductivity of Gas, W/m K
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
250
300
350
400
450
500
550
600
650
700
750
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

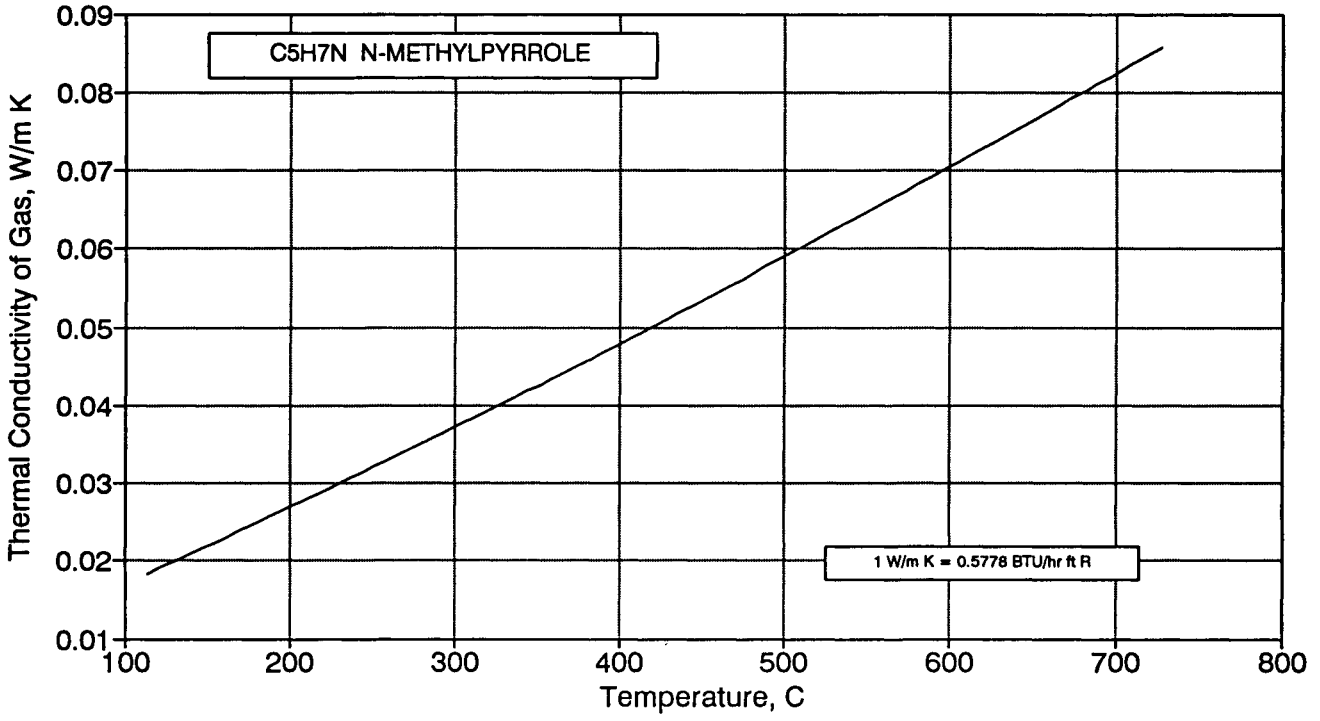

C5H6O3 GLUTARIC ANHYDRIDE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
50
100
150
200
250
300
350
400
450
500
550
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

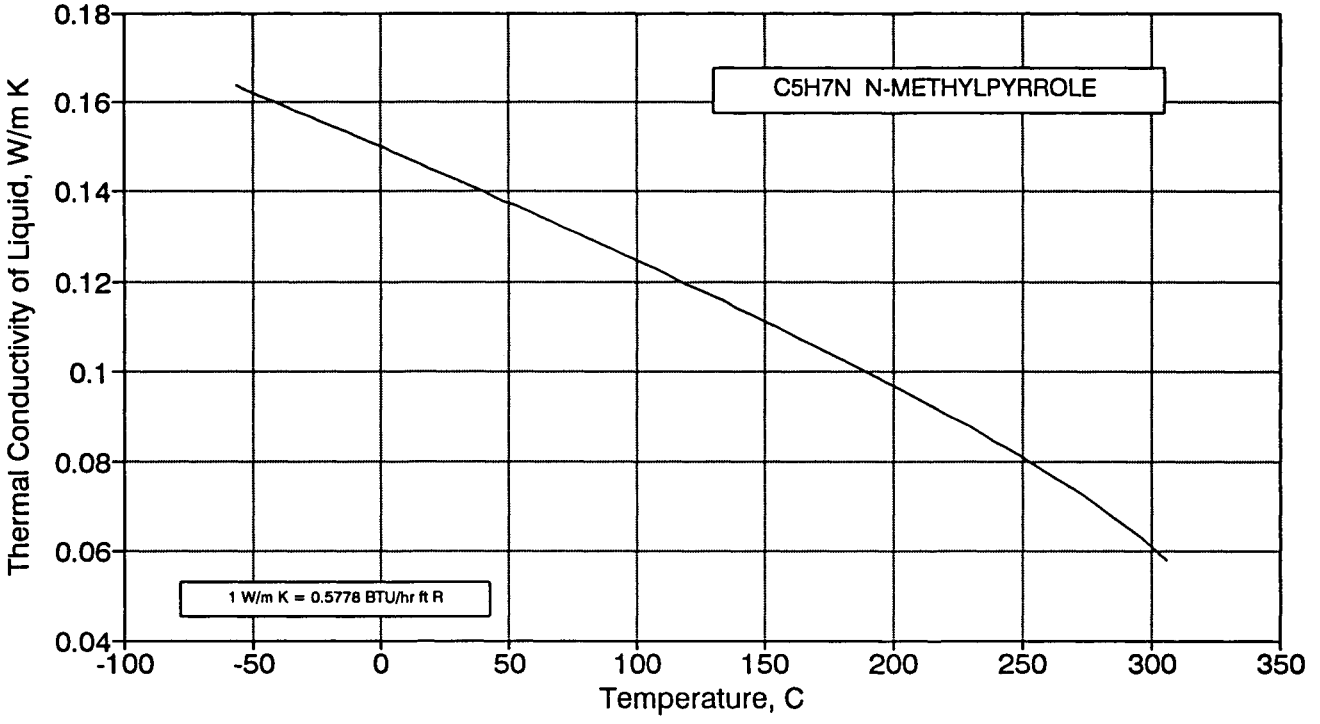

C5H6O4 CITRACONIC ACID
Thermal Conductivity of Gas, W/m K
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
300
350
400
450
500
550
600
650
700
750
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

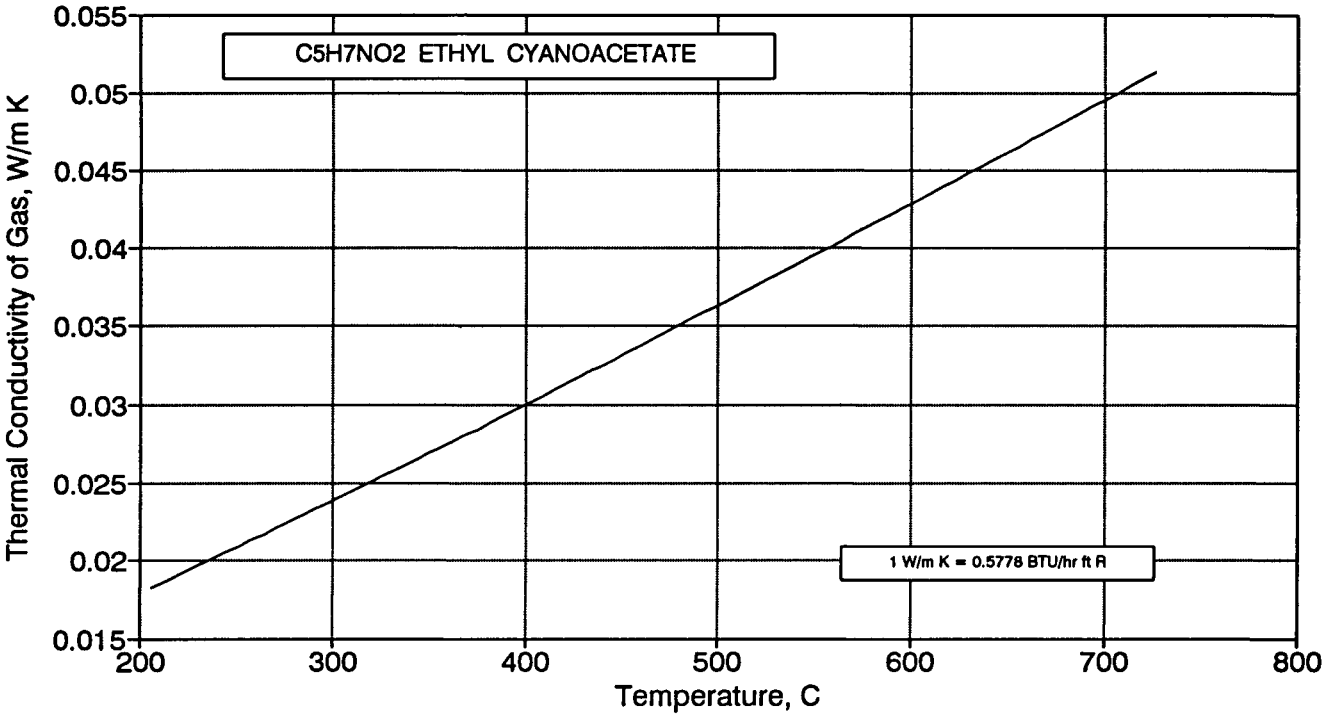

C5H6O4 CITRACONIC ACID
Thermal Conductivity of Liquid, W/m K
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
50
100
150
200
250
300
350
400
450
500
550
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

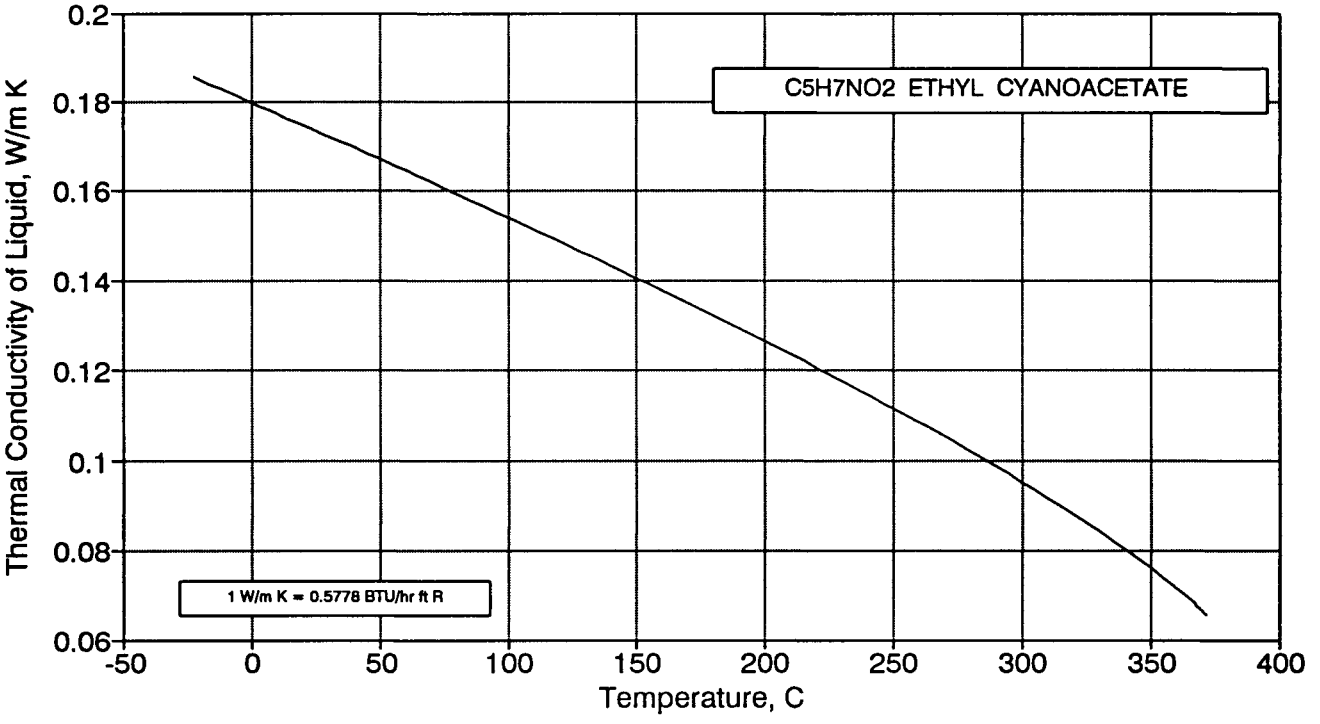

C5H6O4 ITACONIC ACID
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.055
0.05
0.045
0.04
0.035
0.03
0.025
300
350
400
450
500
550
600
650
700
750
Temperature, C

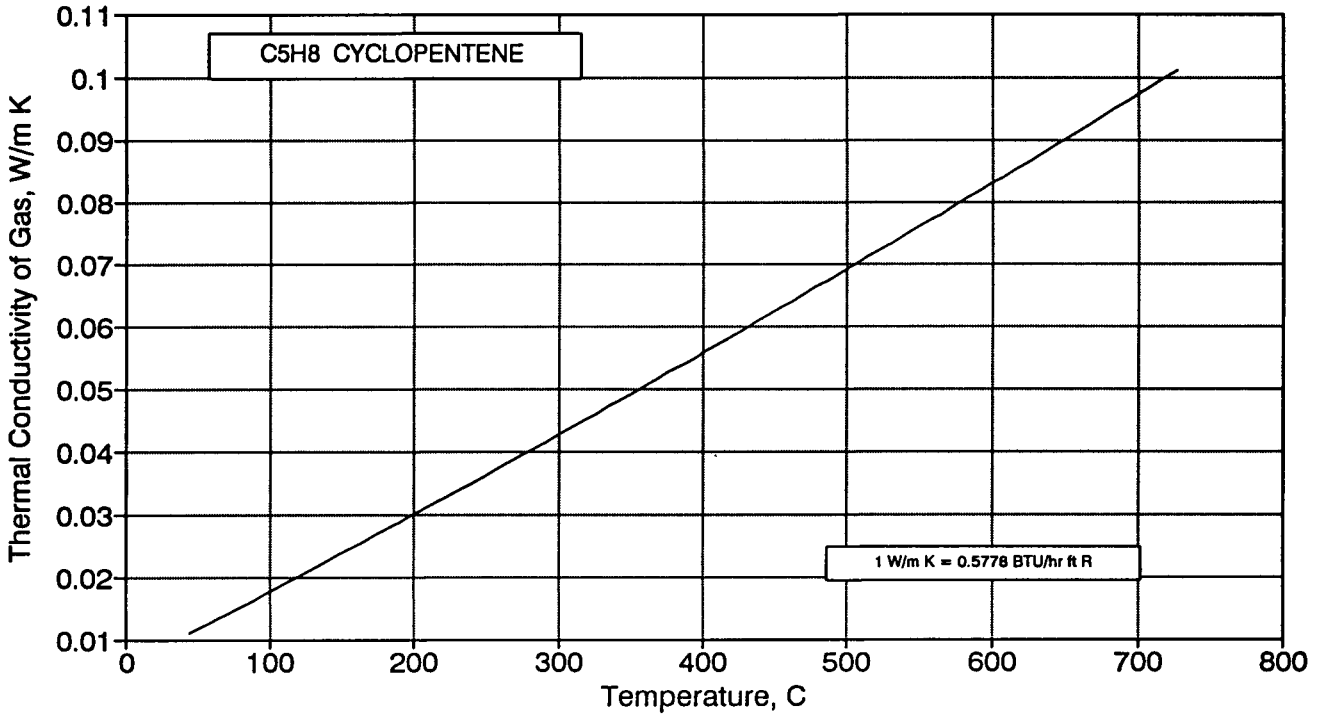

C5H6O4 ITACONIC ACID
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.17
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
150
200
250
300
350
400
450
500
550
Temperature, C

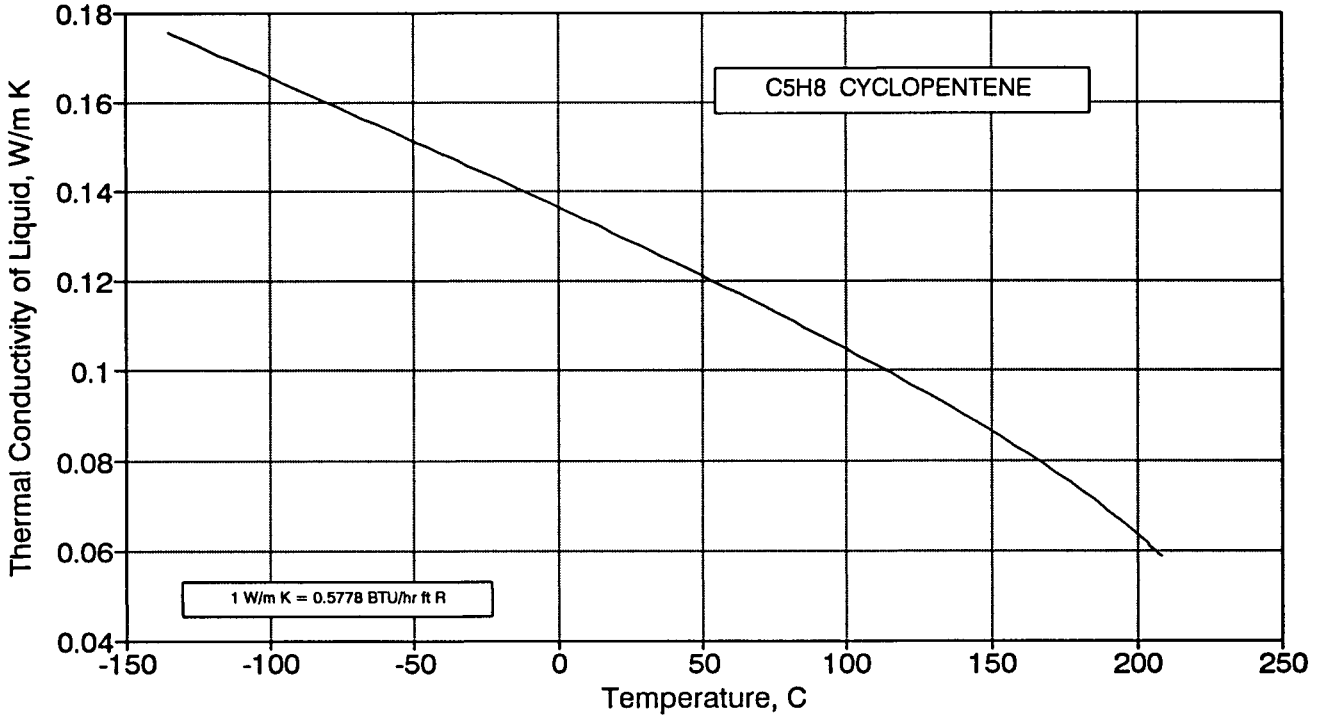

C5H7N N-METHYLPYRROLE
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

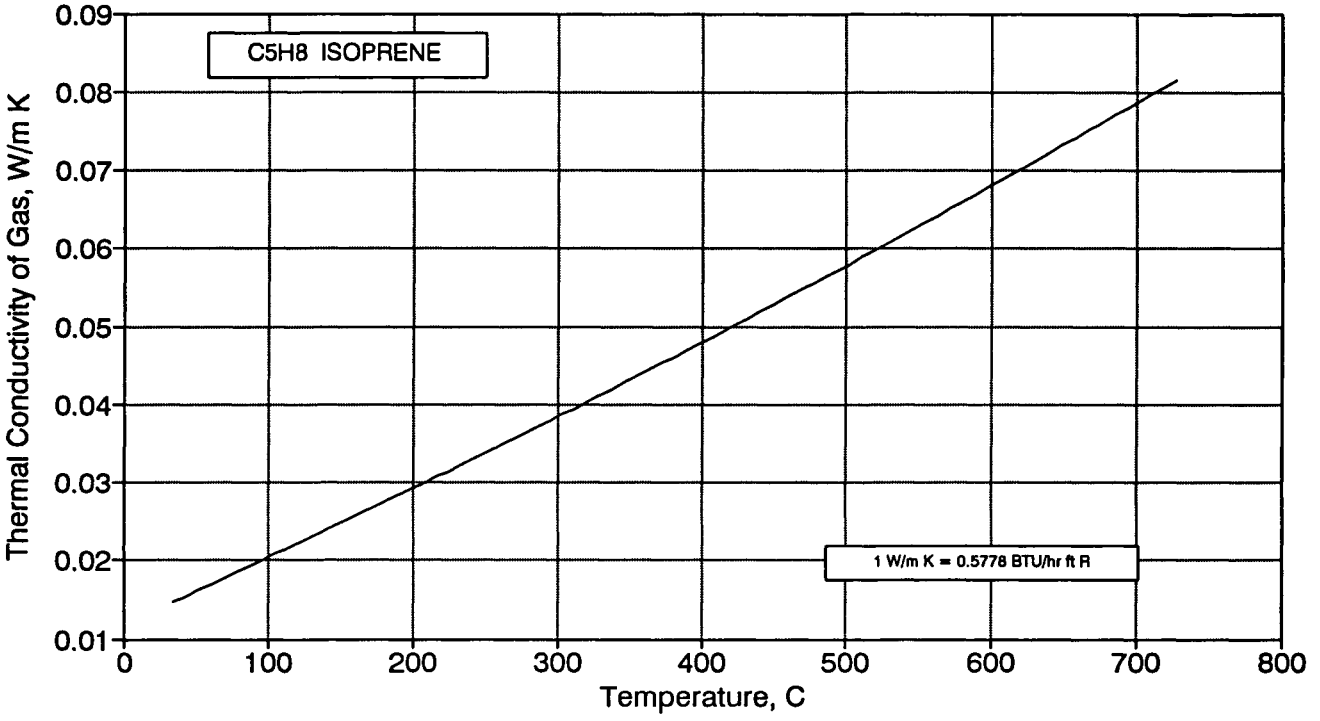

C5H7N N-METHYLPYRROLE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

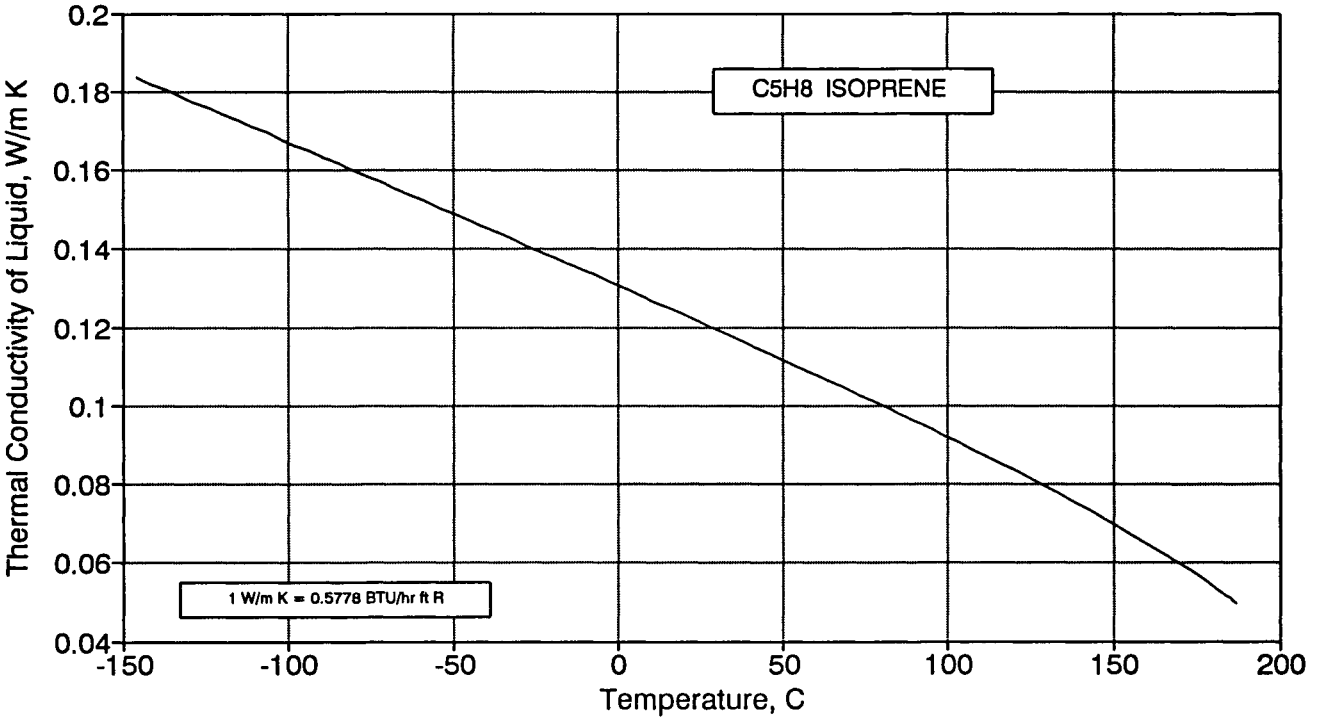

C5H7NO2 ETHYL CYANOACETATE
Thermal Conductivity of Gas, W/m K
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

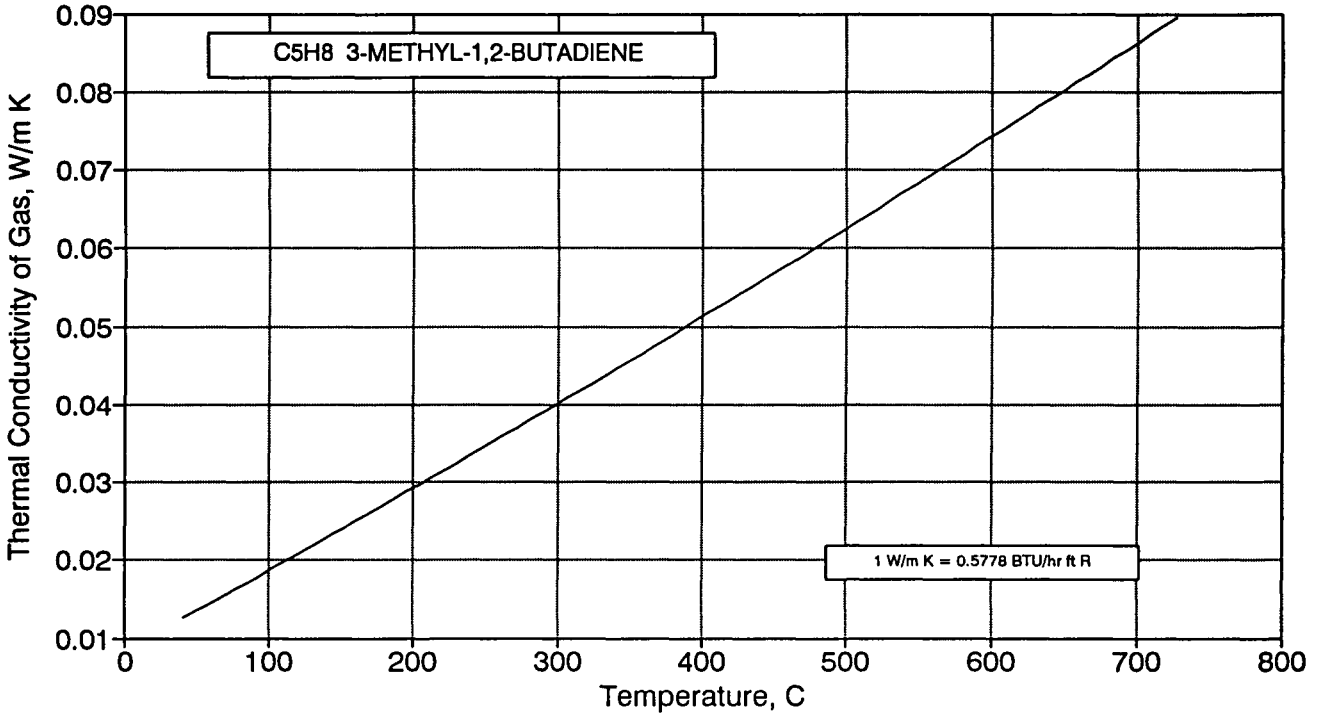

C5H7NO2 ETHYL CYANOACETATE
Thermal Conductivity of Liquid, W/m K
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-50
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

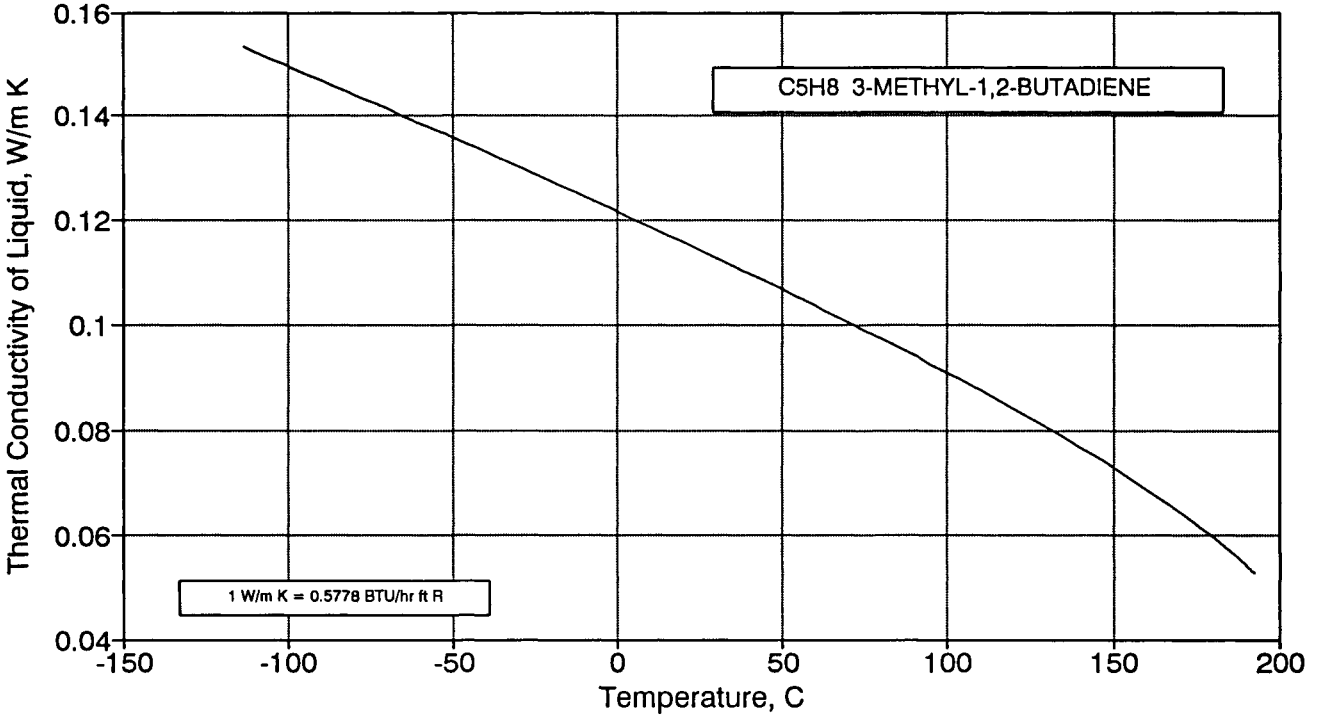

C5H8 CYCLOPENTENE
Thermal Conductivity of Gas, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

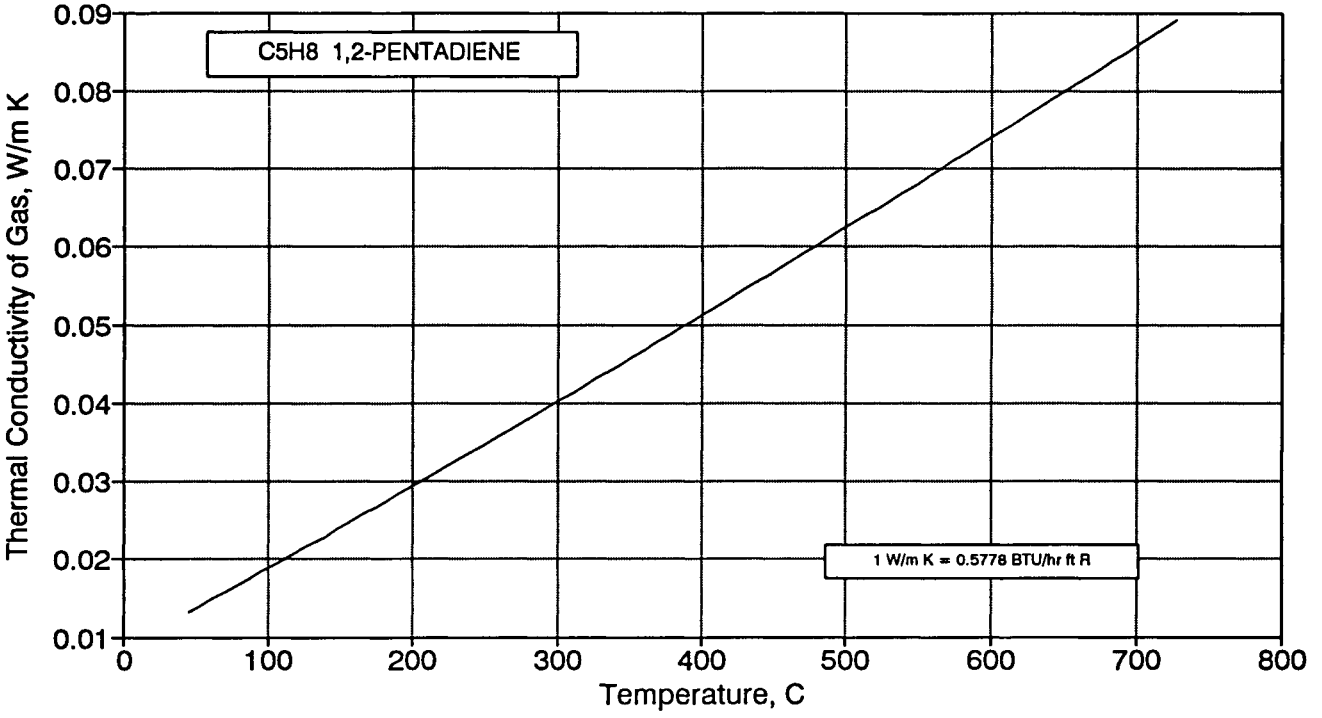

C5H8 CYCLOPENTENE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

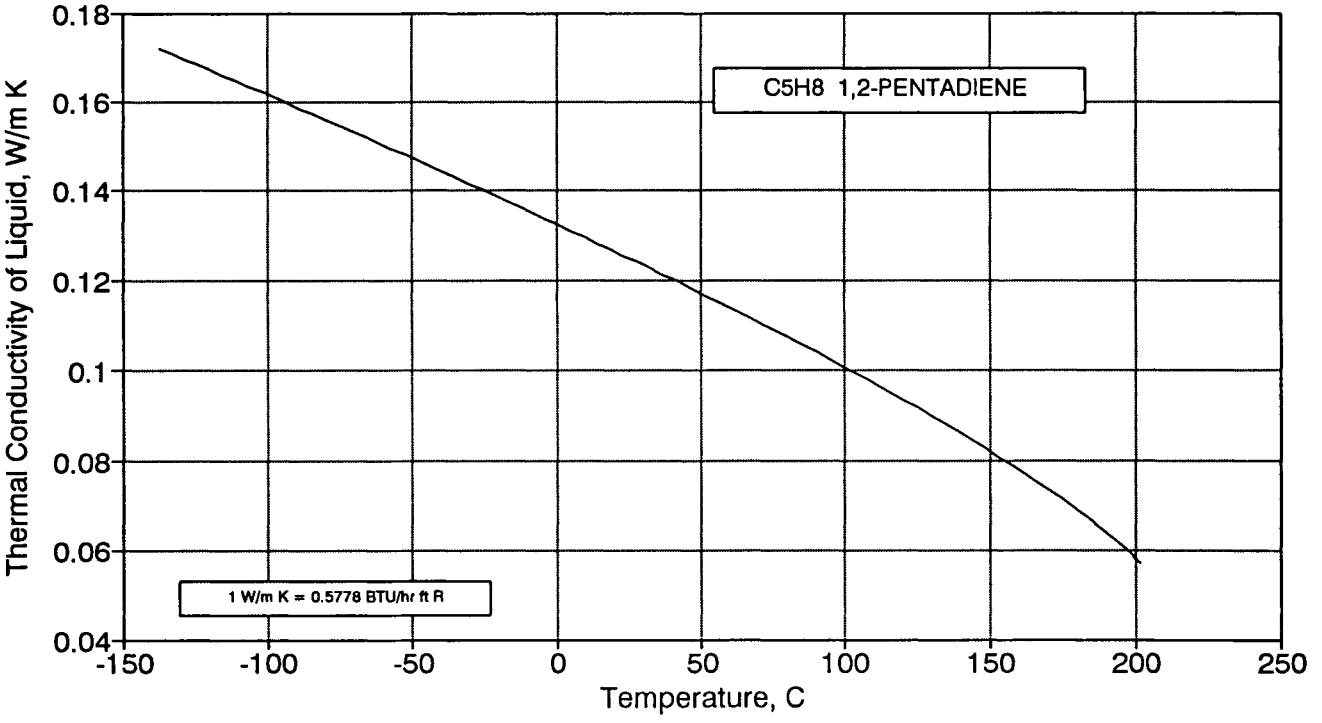

C5H8 ISOPRENE
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

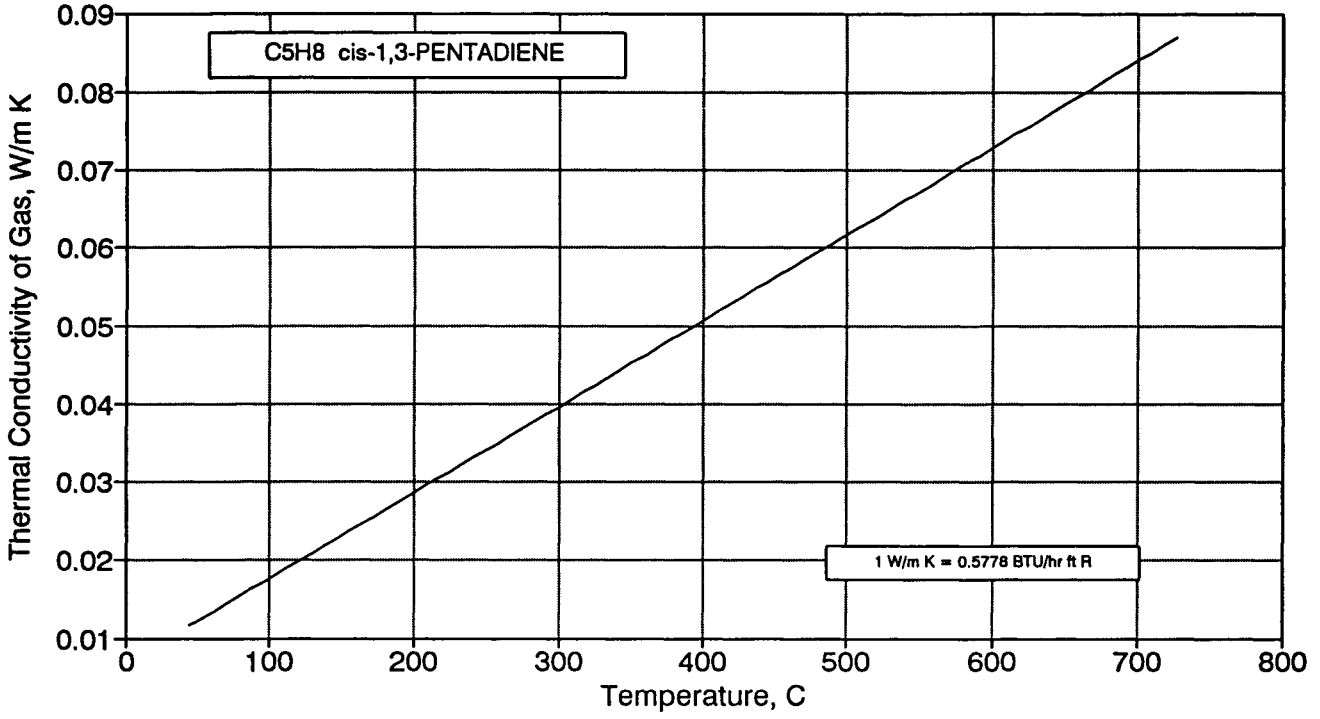

C5H8 ISOPRENE
Thermal Conductivity of Liquid, W/m K
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

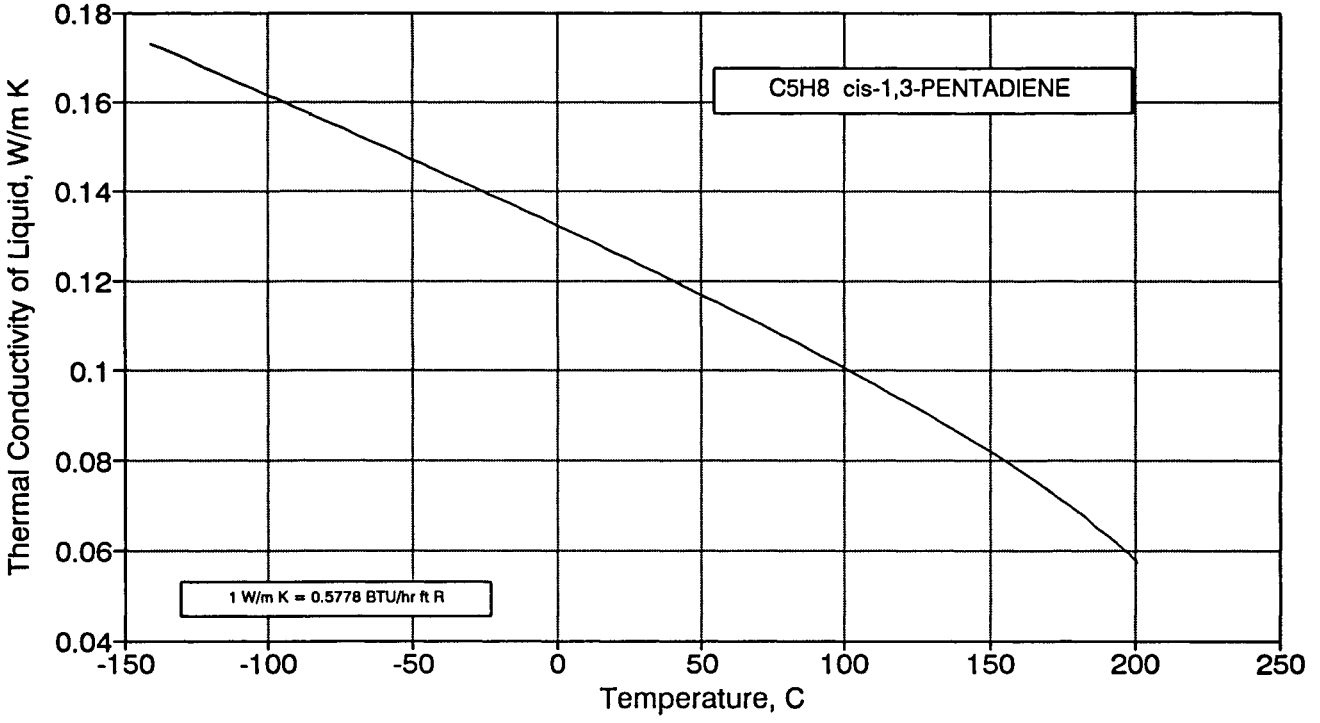

C5H8 3-METHYL-1,2-BUTADIENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800

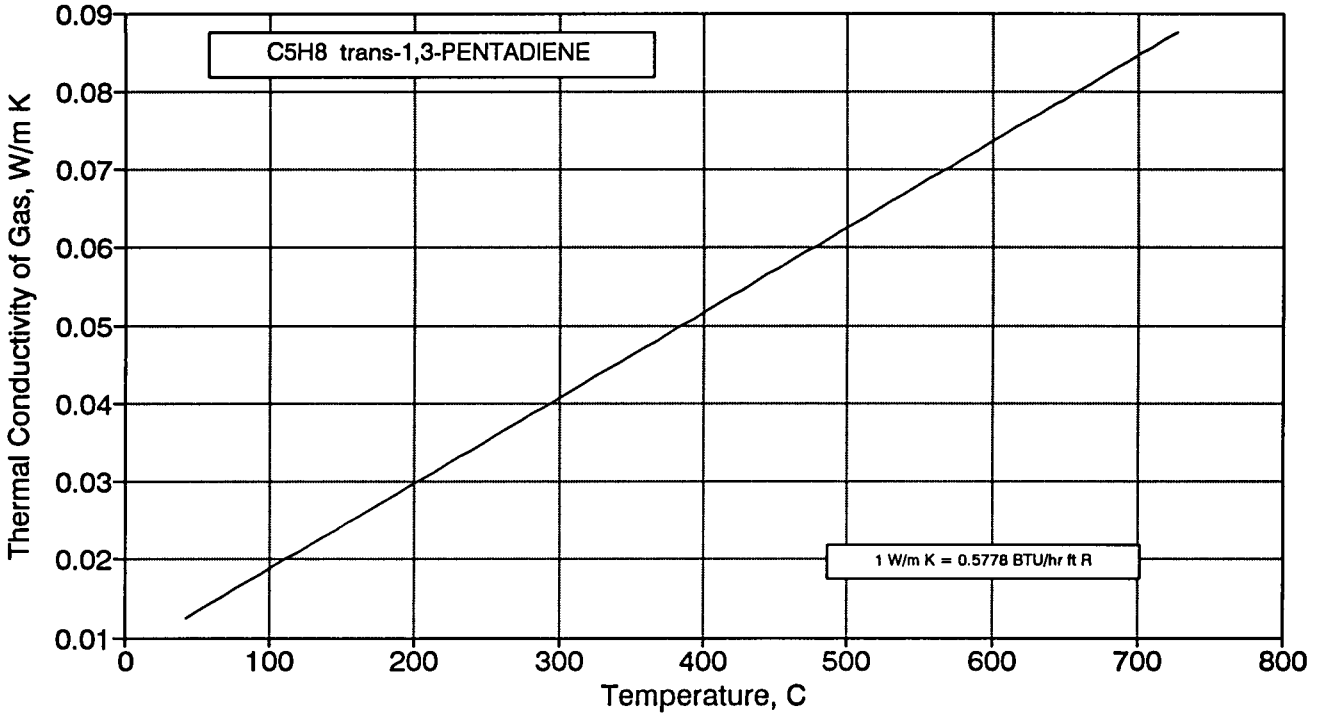

C5H8 3-METHYL-1,2-BUTADIENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200

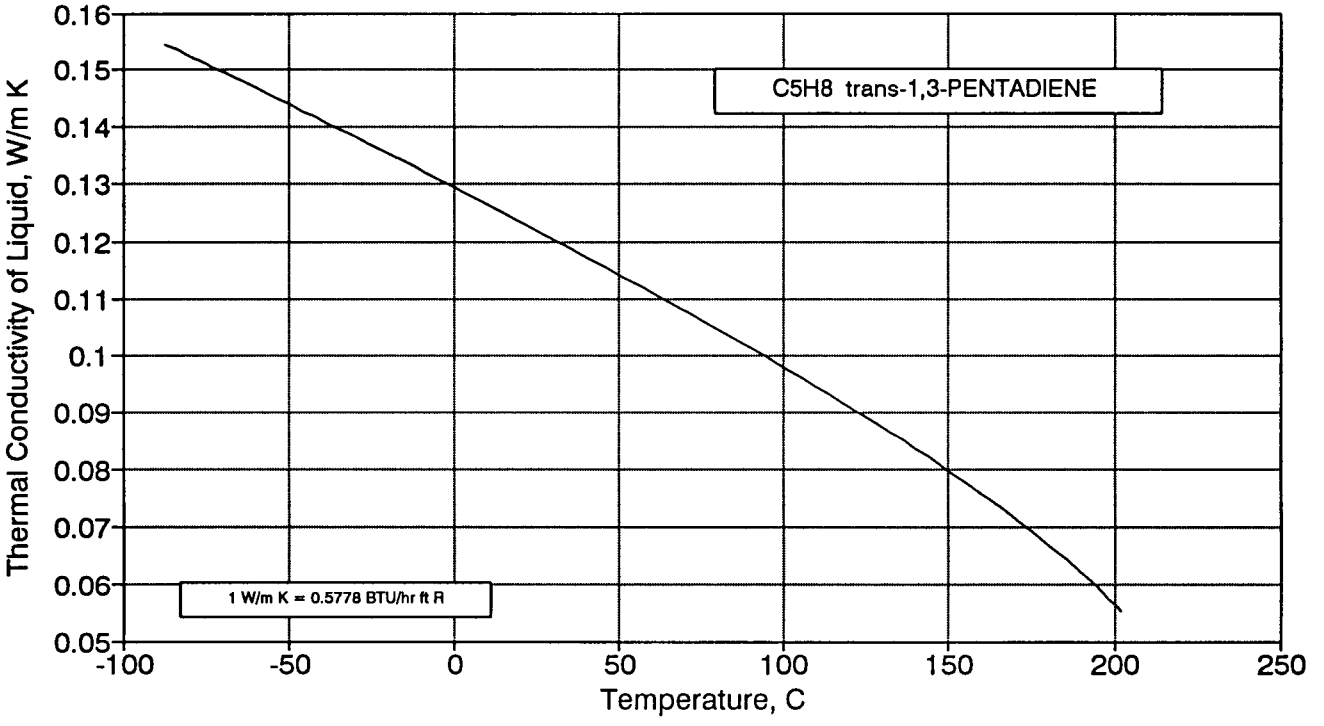

C5H8 1,2-PENTADIENE
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

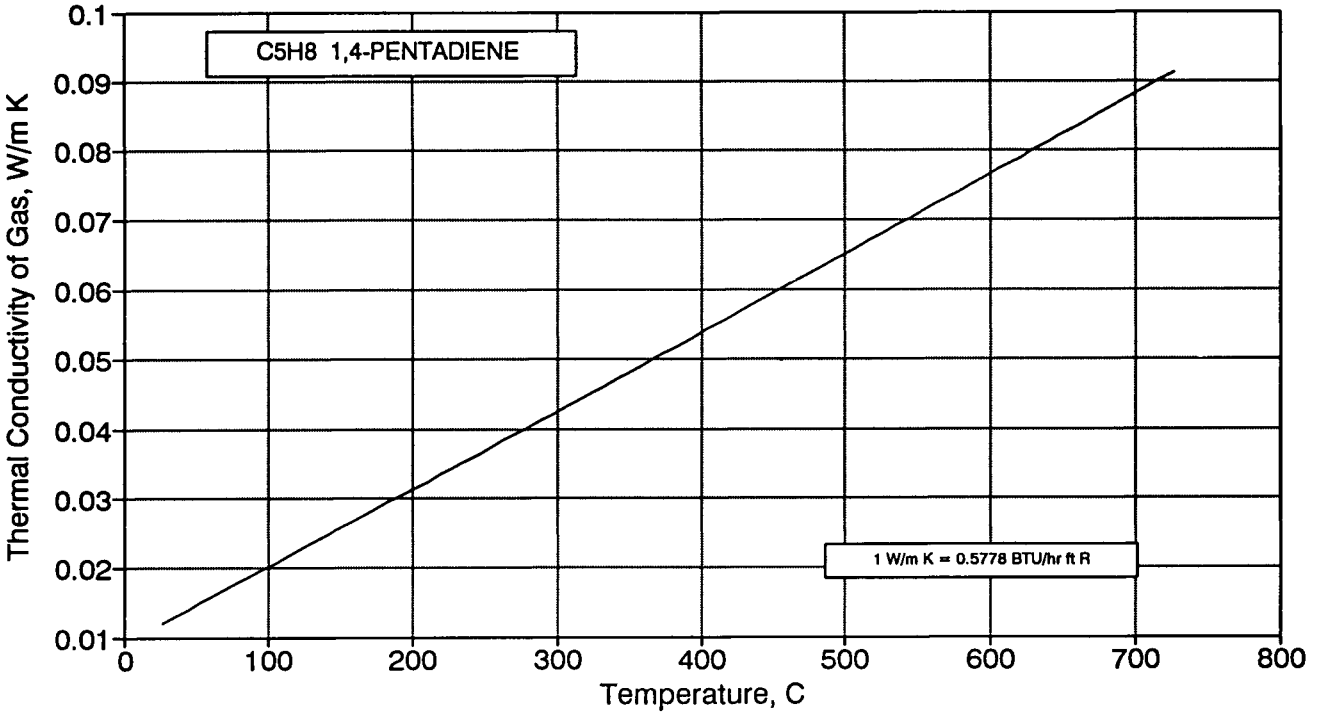

C5H8 1,2-PENTADIENE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

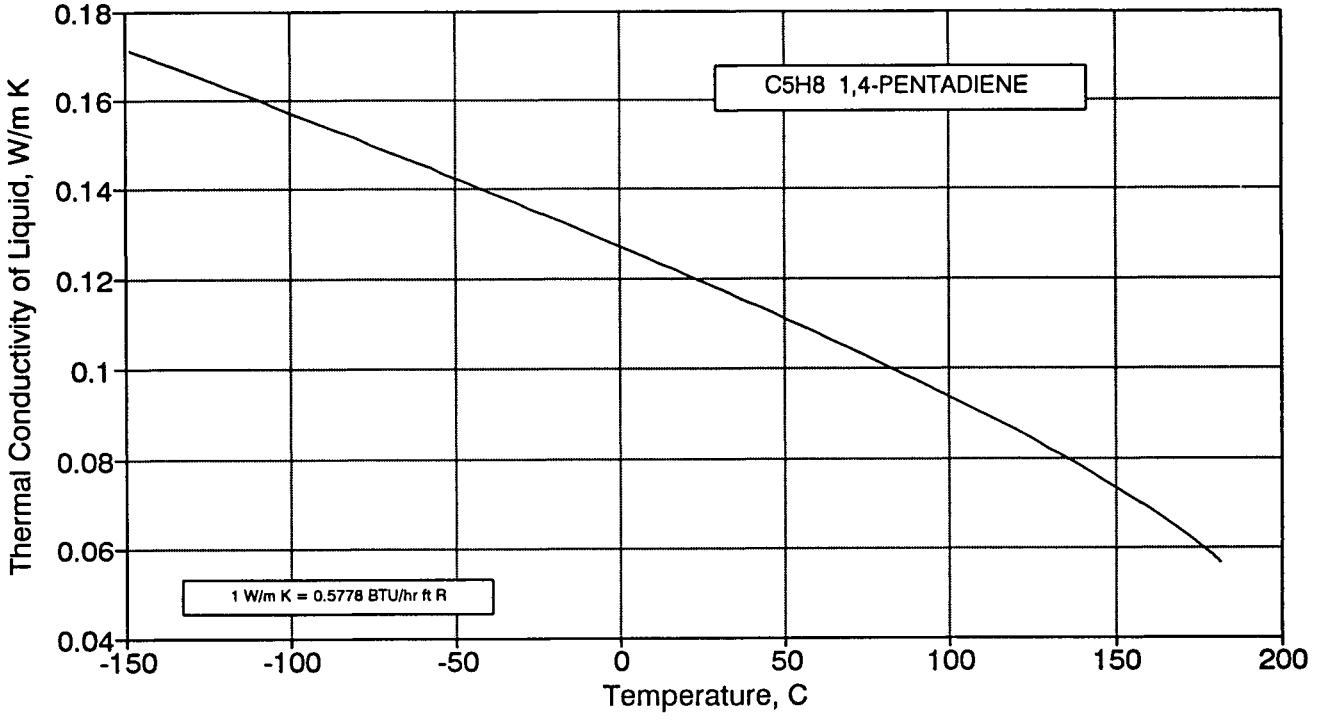

C5H8 cis-1,3-PENTADIENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800

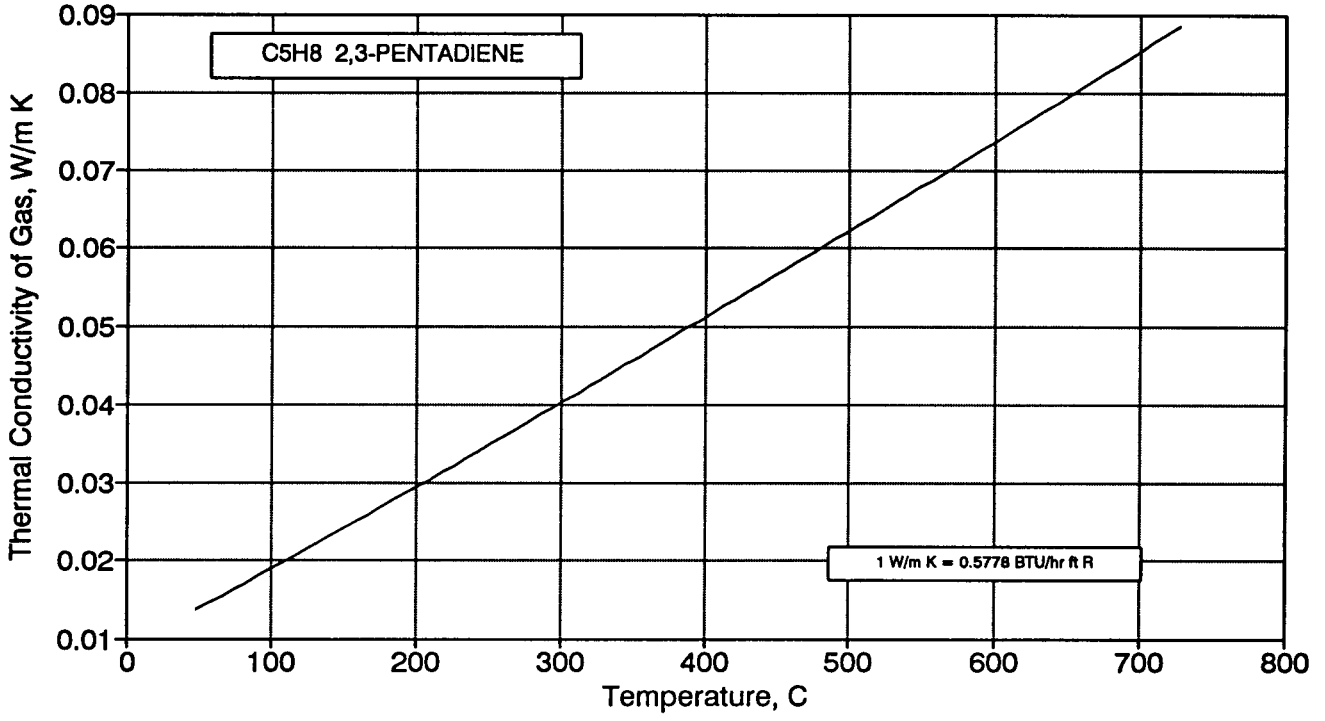

C5H8 cis-1,3-PENTADIENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250

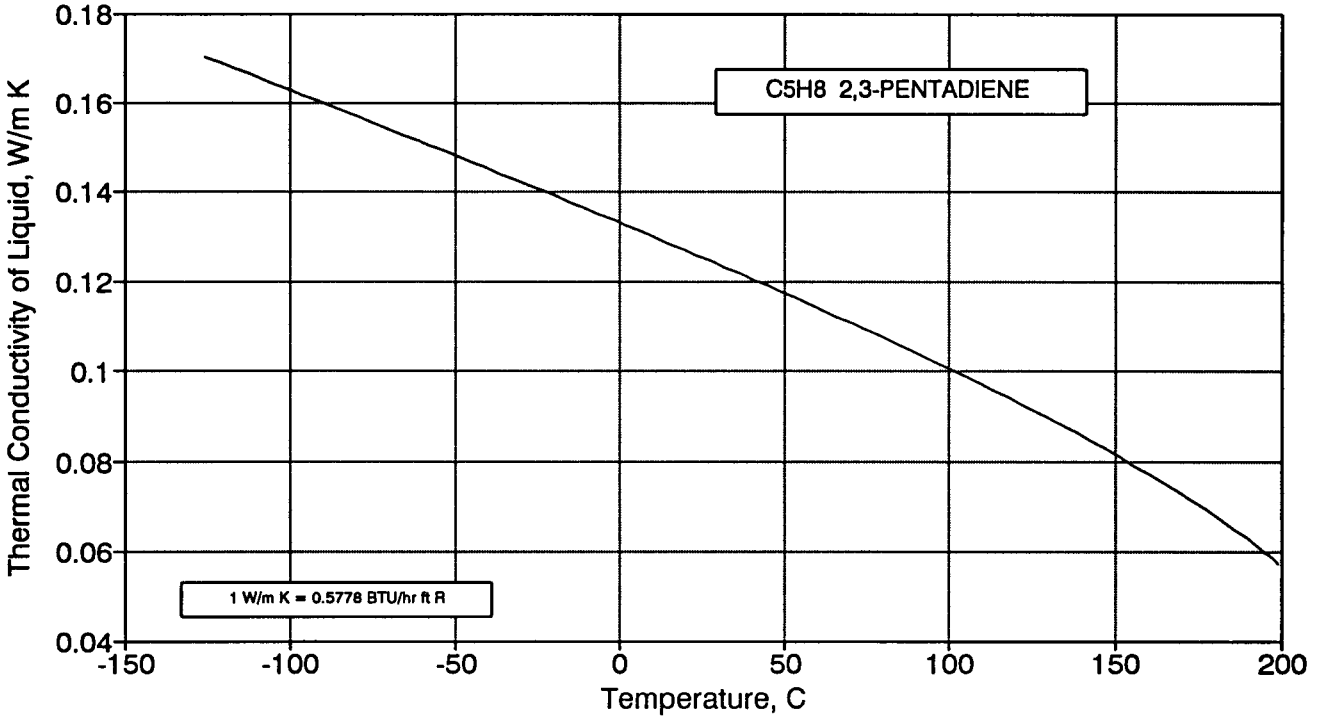

C5H8 trans-1,3-PENTADIENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C

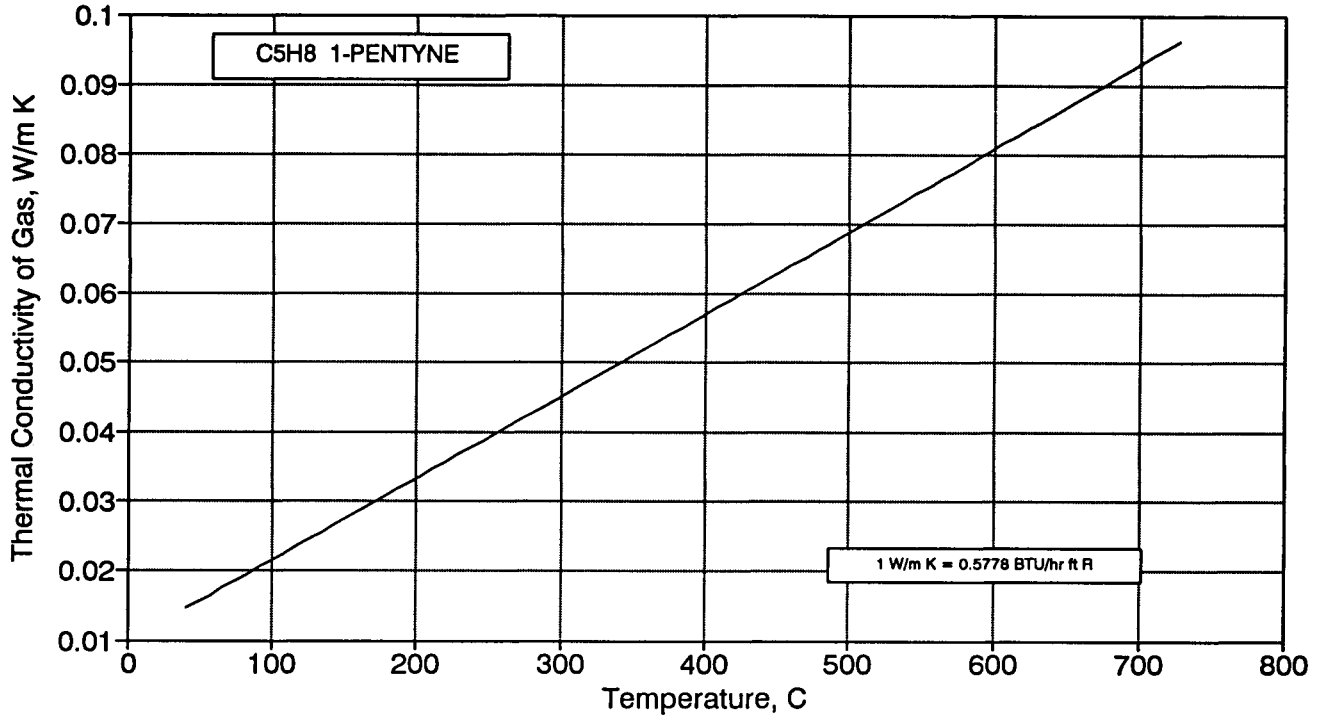

C5H8 trans-1,3-PENTADIENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
-100
-50
0
50
100
150
200
250
Temperature, C

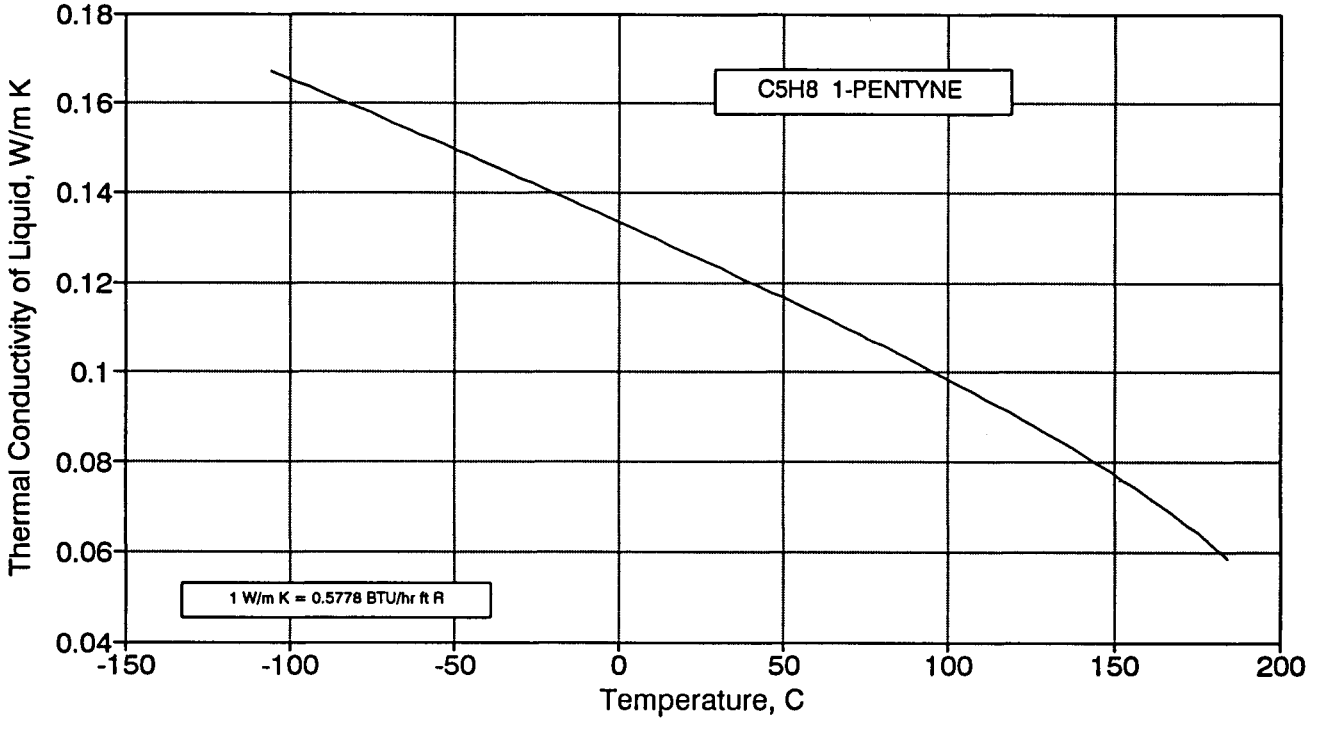

C5H8 1,4-PENTADIENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800

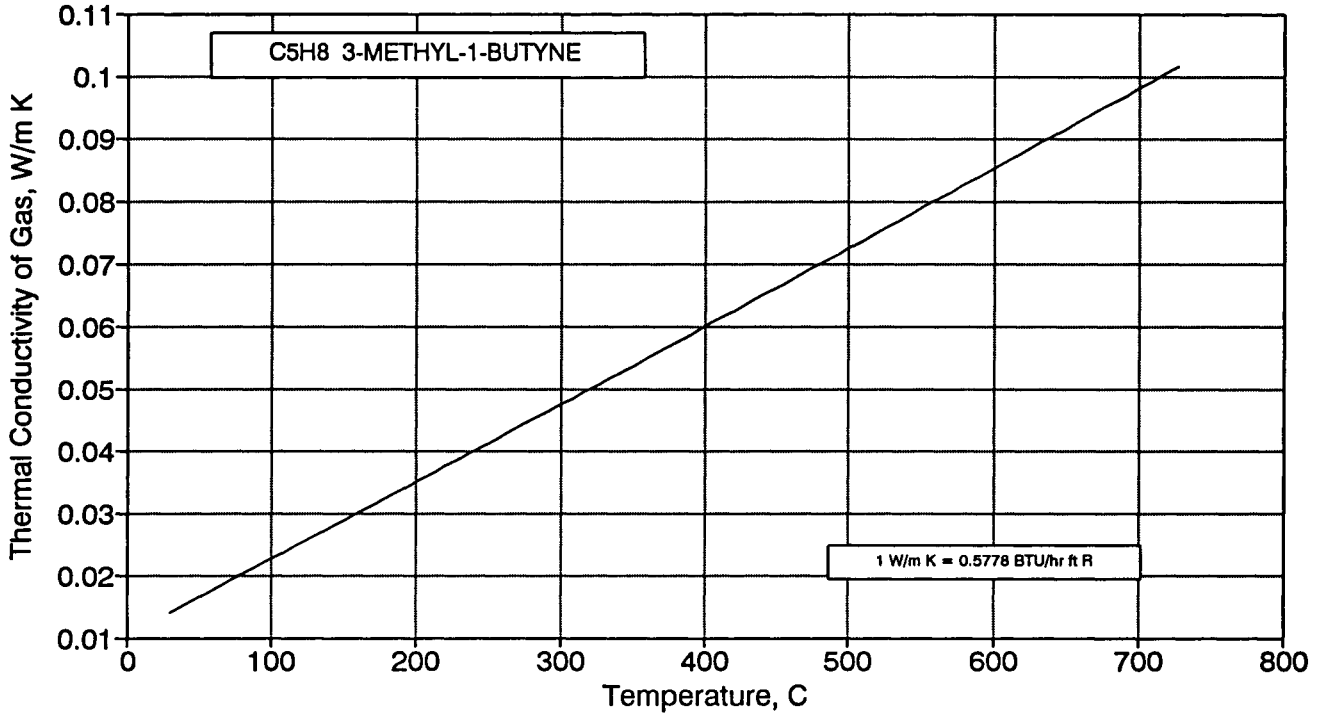

C5H8 1,4-PENTADIENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200

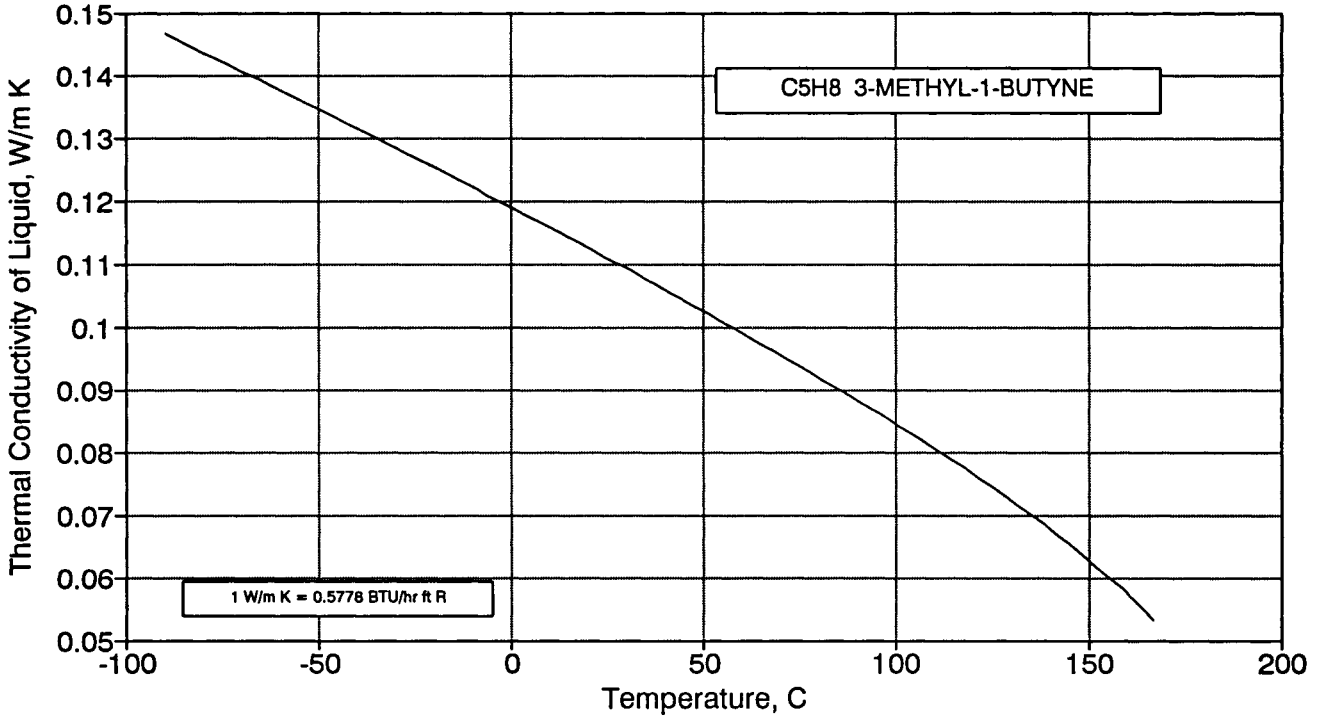

C5H8 2,3-PENTADIENE
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C5H8 2,3-PENTADIENE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C5H8 1-PENTYNE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C5H8 1-PENTYNE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C5H8 3-METHYL-1-BUTYNE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800


C5H8 3-METHYL-1-BUTYNE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
-100
-50
0
50
100
150
200

C5H8N4O12 PENTAERYTHRITOL TETRANITRATE

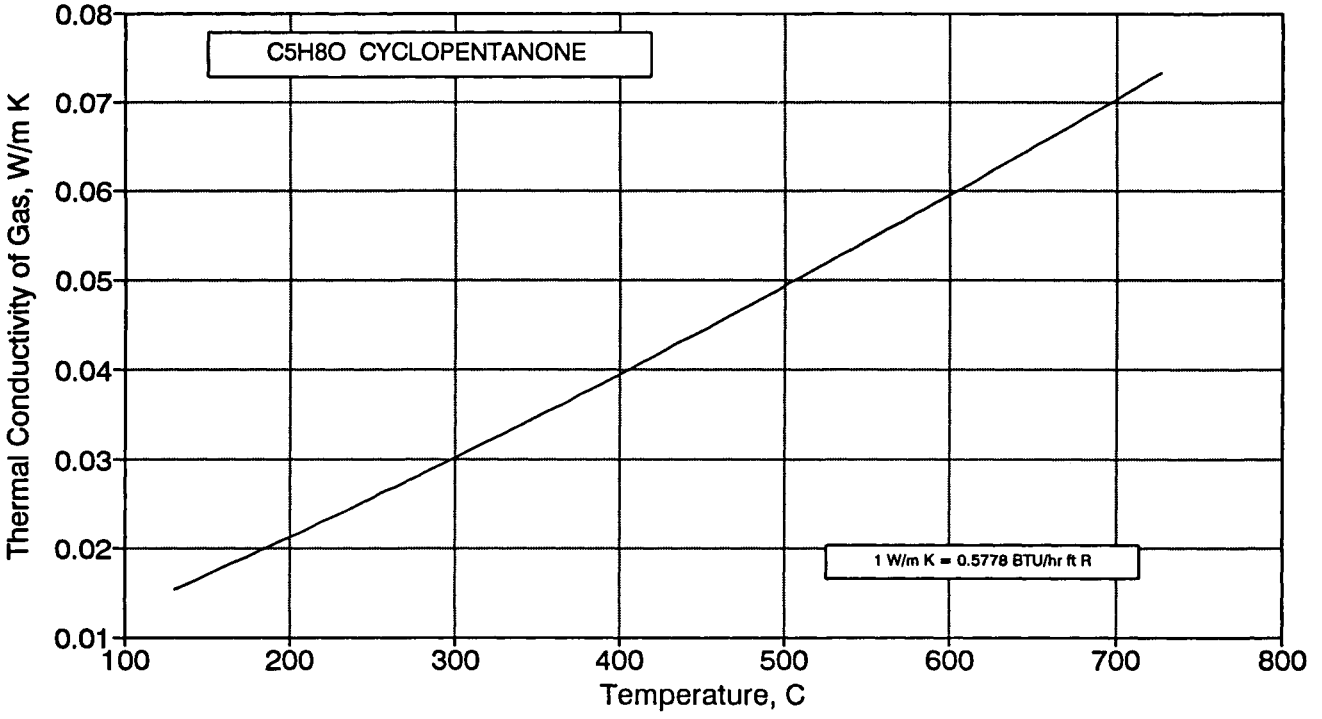
Gas thermal conductivity data are not available .

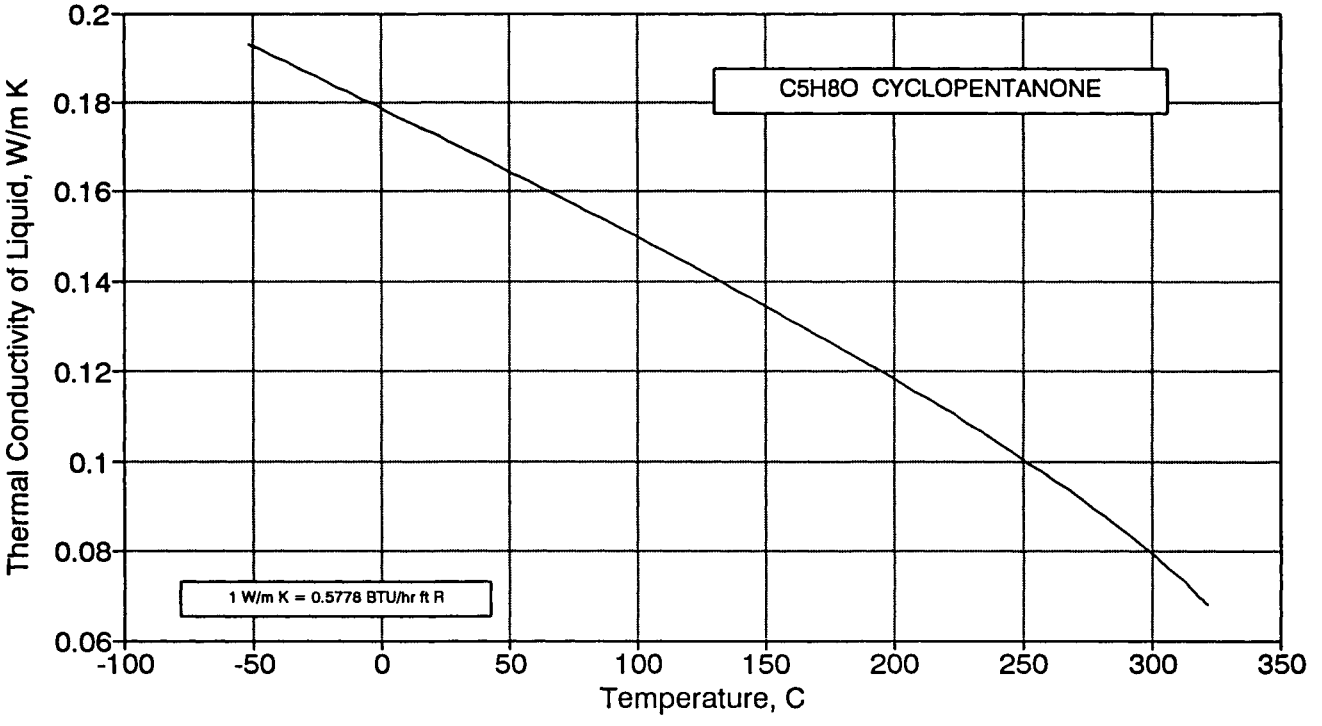
TF , K = 413.65

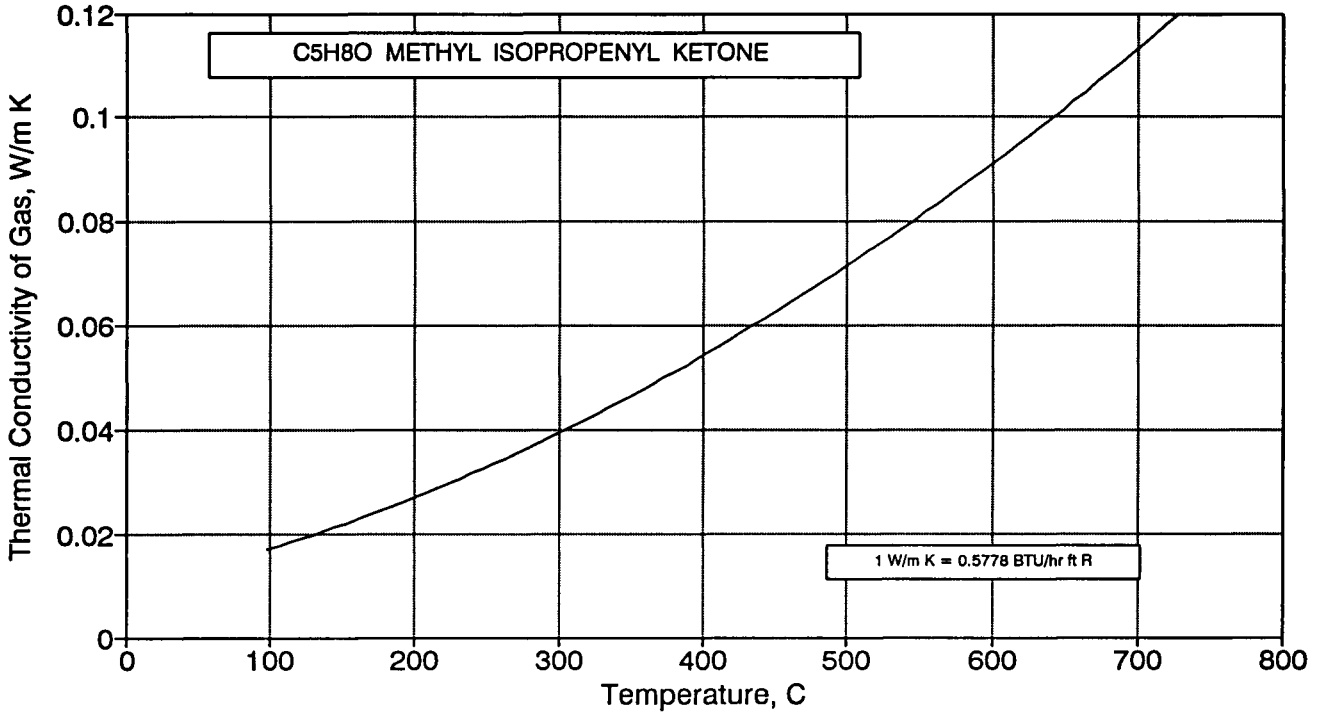
TB , K = 543.00 (estimated)

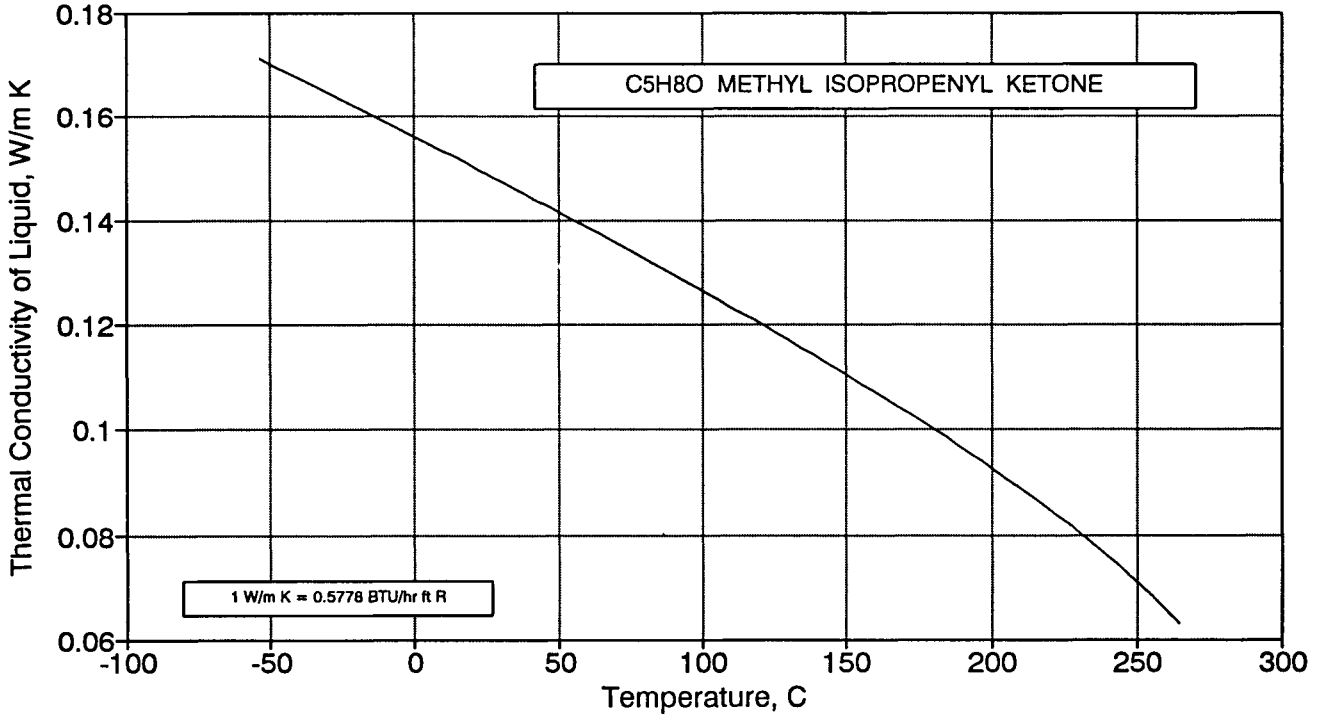
C5H8N4O12 PENTAERYTHRITOL TETRANITRATE

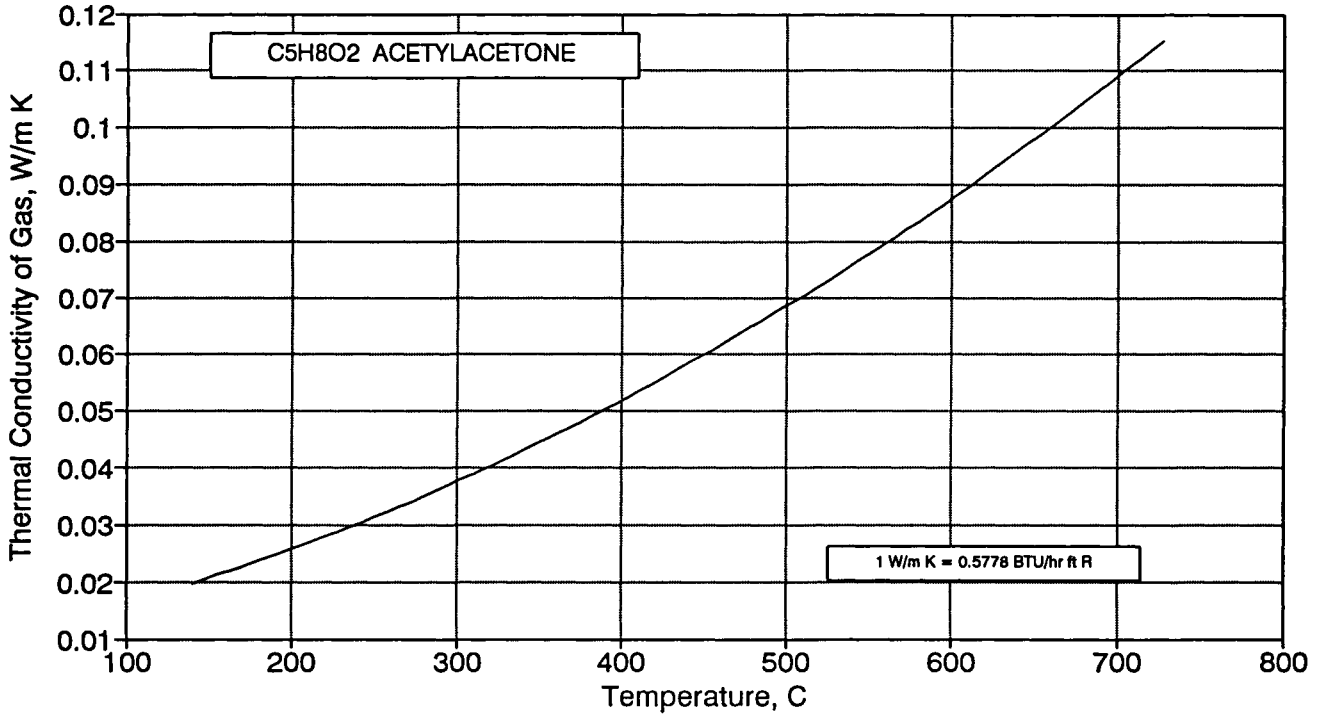
Liquid thermal conductivity data are not available .

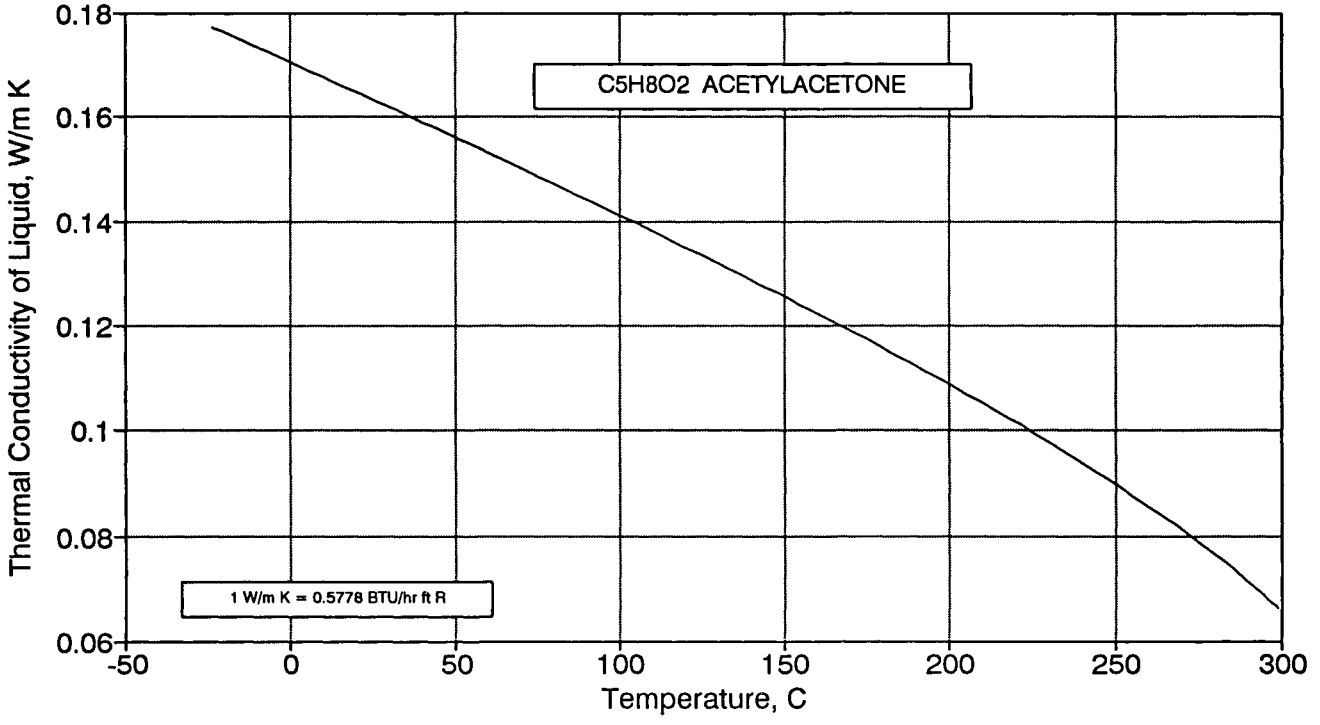

C5H8O CYCLOPENTANONE
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

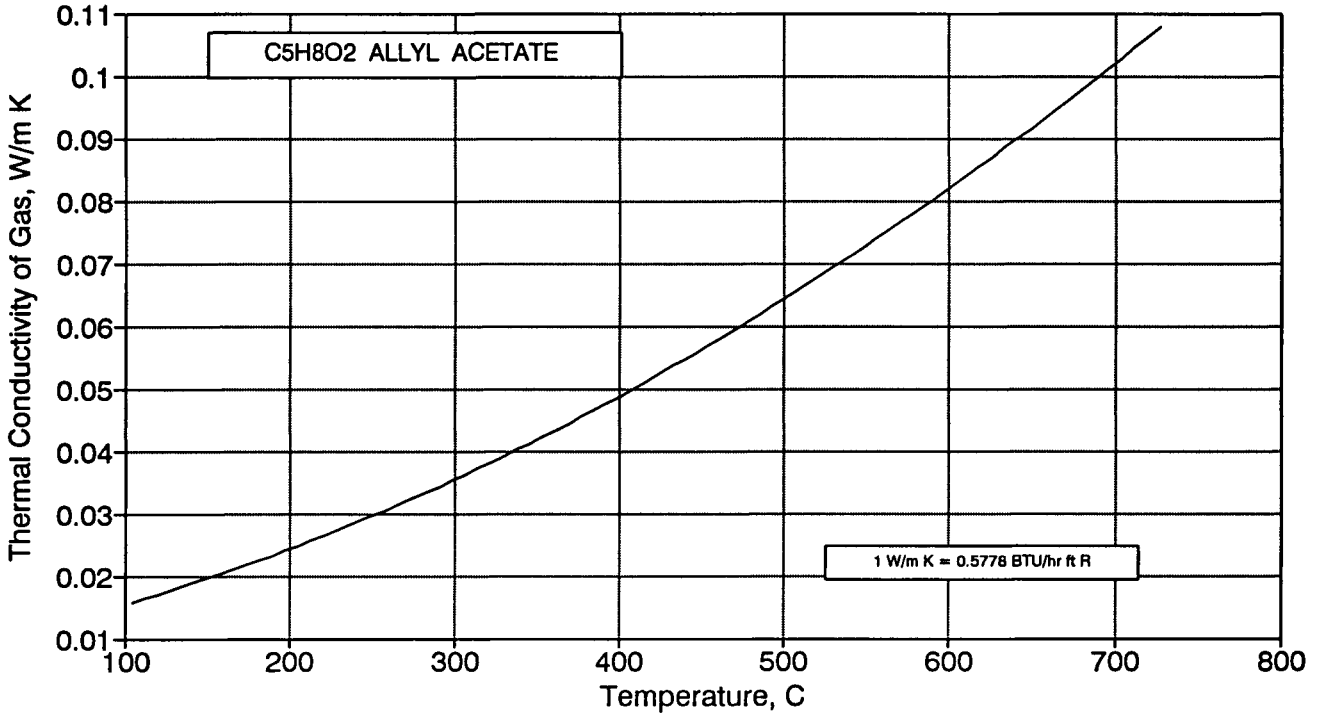

C5H8O CYCLOPENTANONE
Thermal Conductivity of Liquid, W/m K
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-100
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

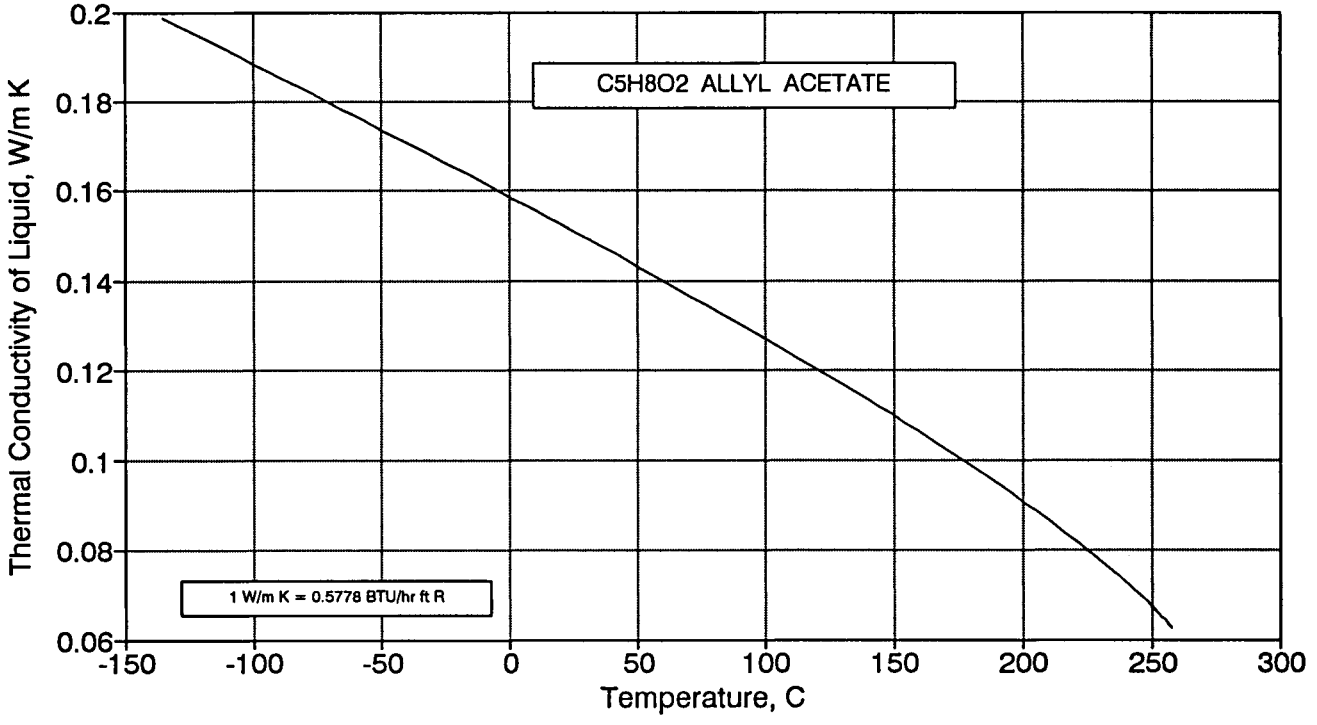

C5H8O METHYL ISOPROPENYL KETONE
Thermal Conductivity of Gas, W/m K
0.12
0.1
0.08
0.06
0.04
0.02
0
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

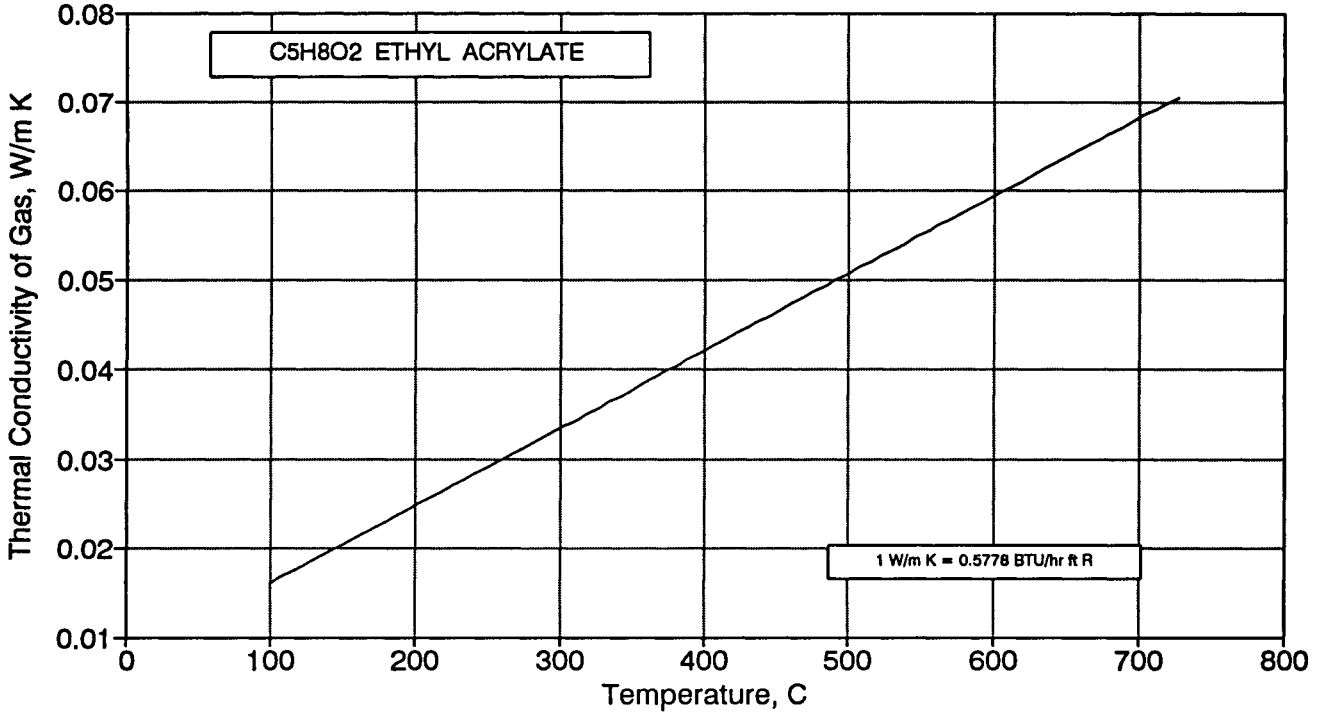

C5H8O METHYL ISOPROPENYL KETONE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

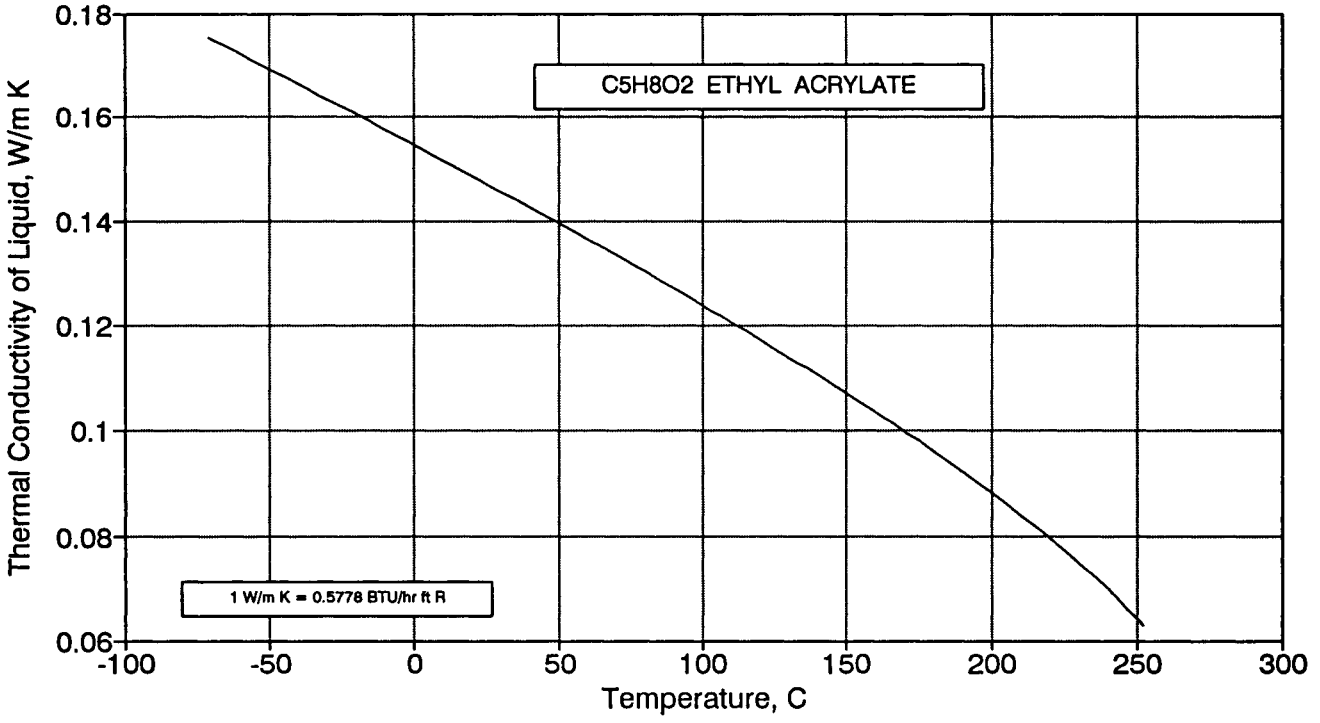

C5H8O2 ACETYLACETONE
Thermal Conductivity of Gas, W/m K
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

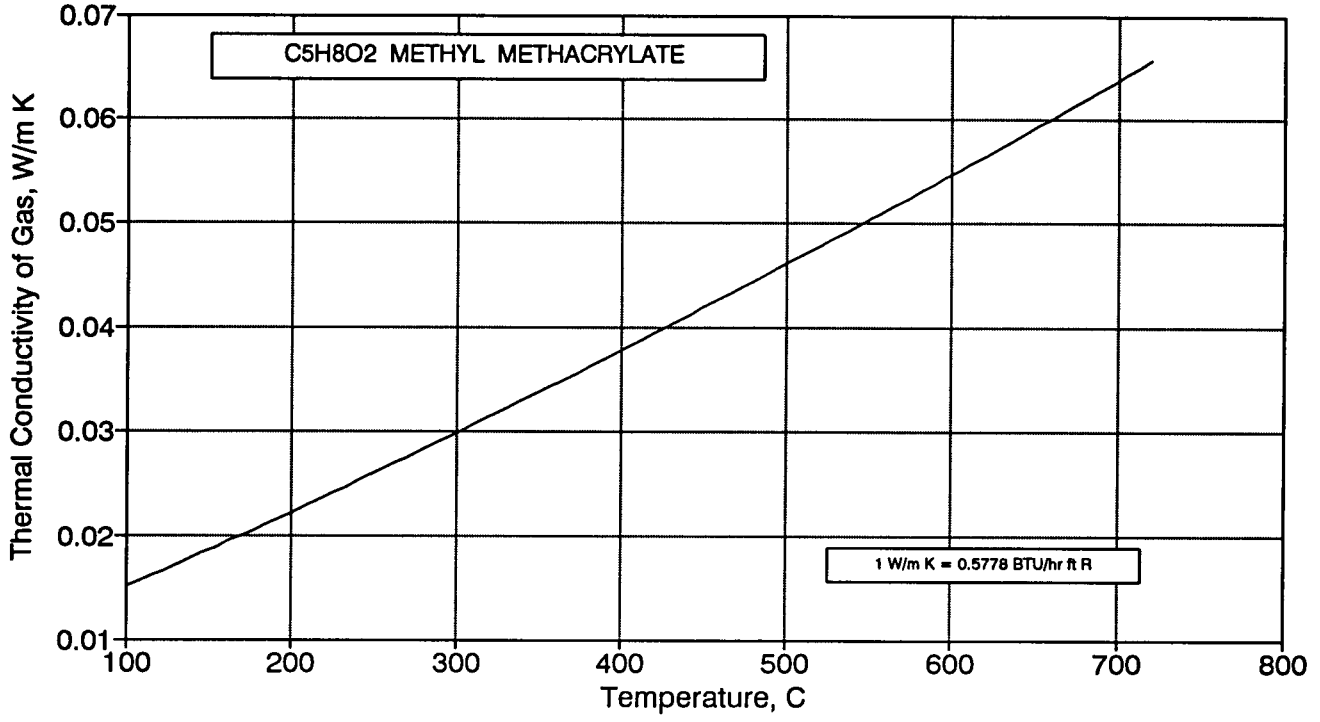

C5H8O2 ACETYLACETONE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

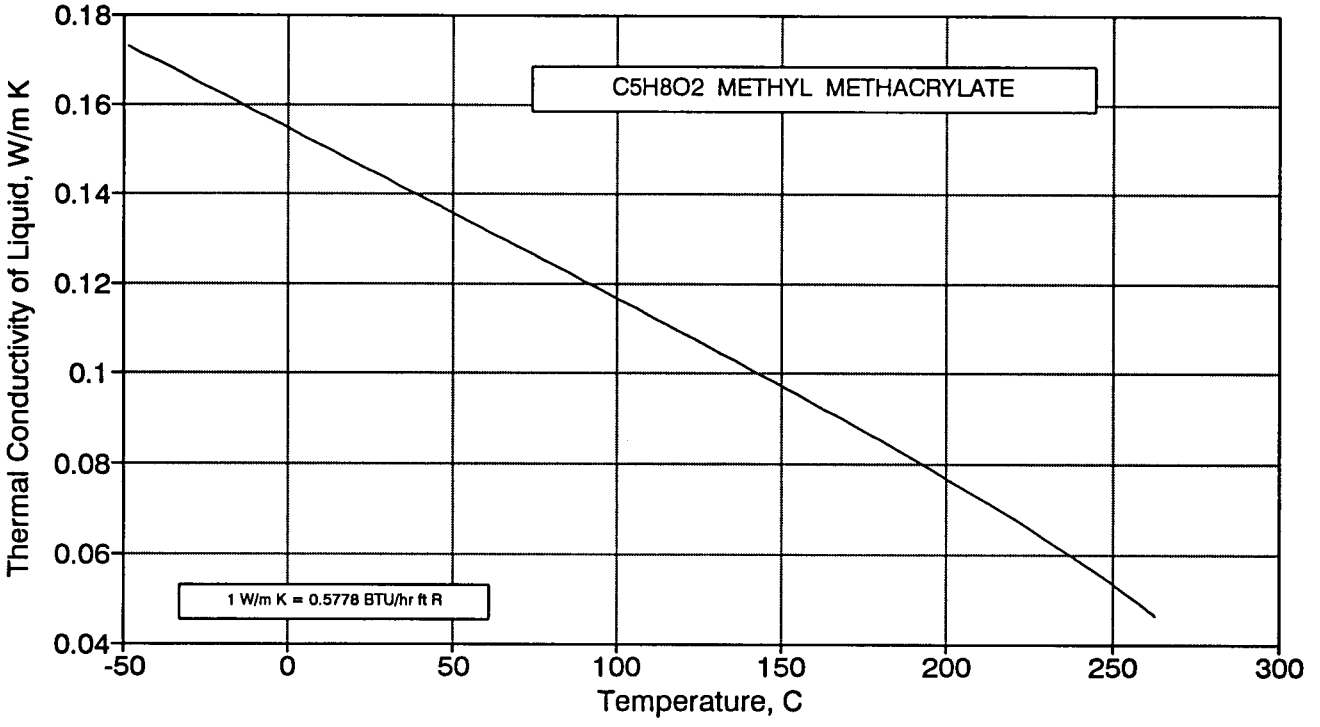

C5H8O2 ALLYL ACETATE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800

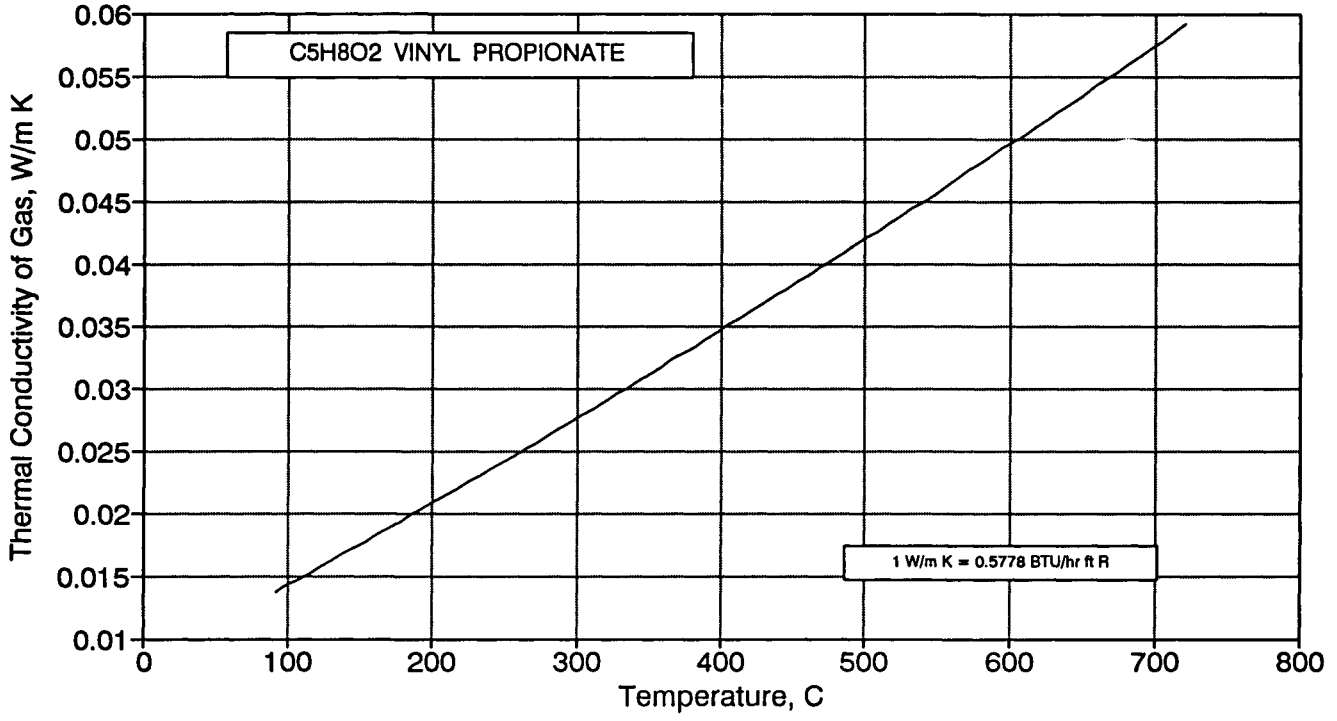

C5H8O2 ALLYL ACETATE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-150
-100
-50
0
50
100
150
200
250
300

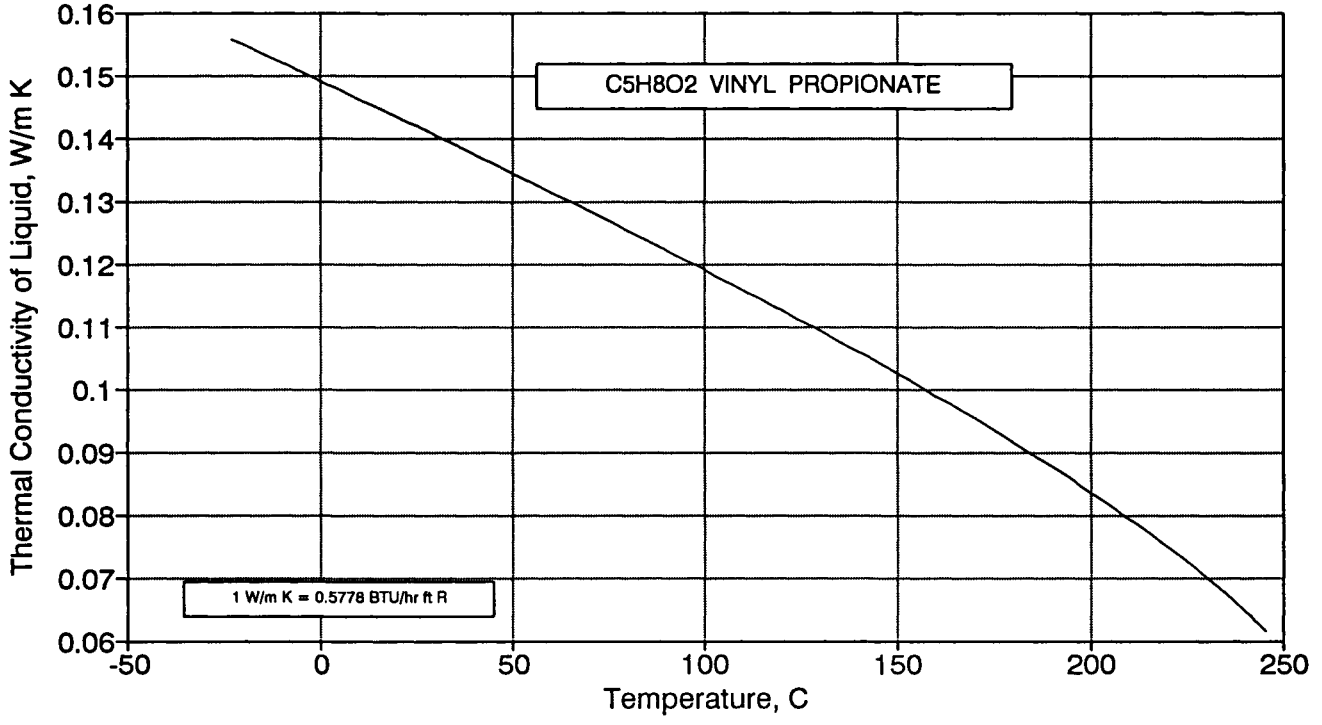

C5H8O2 ETHYL ACRYLATE
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

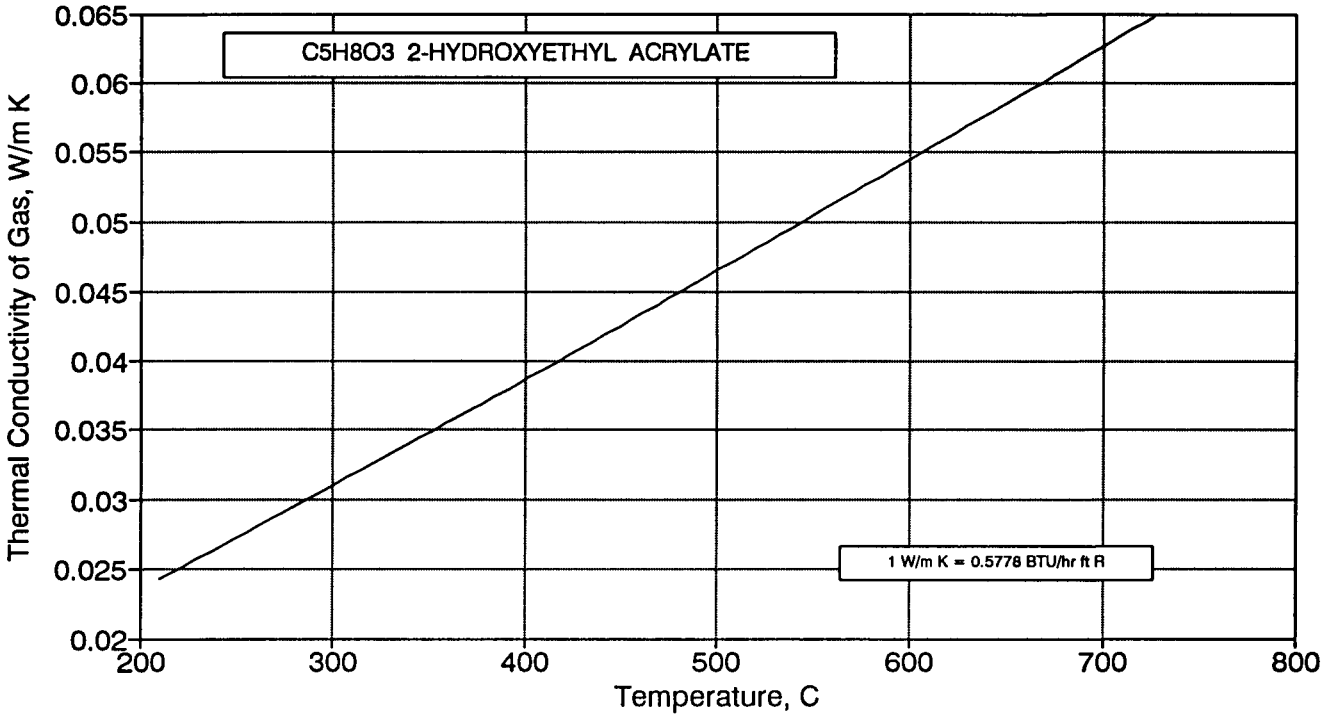

C5H8O2 ETHYL ACRYLATE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

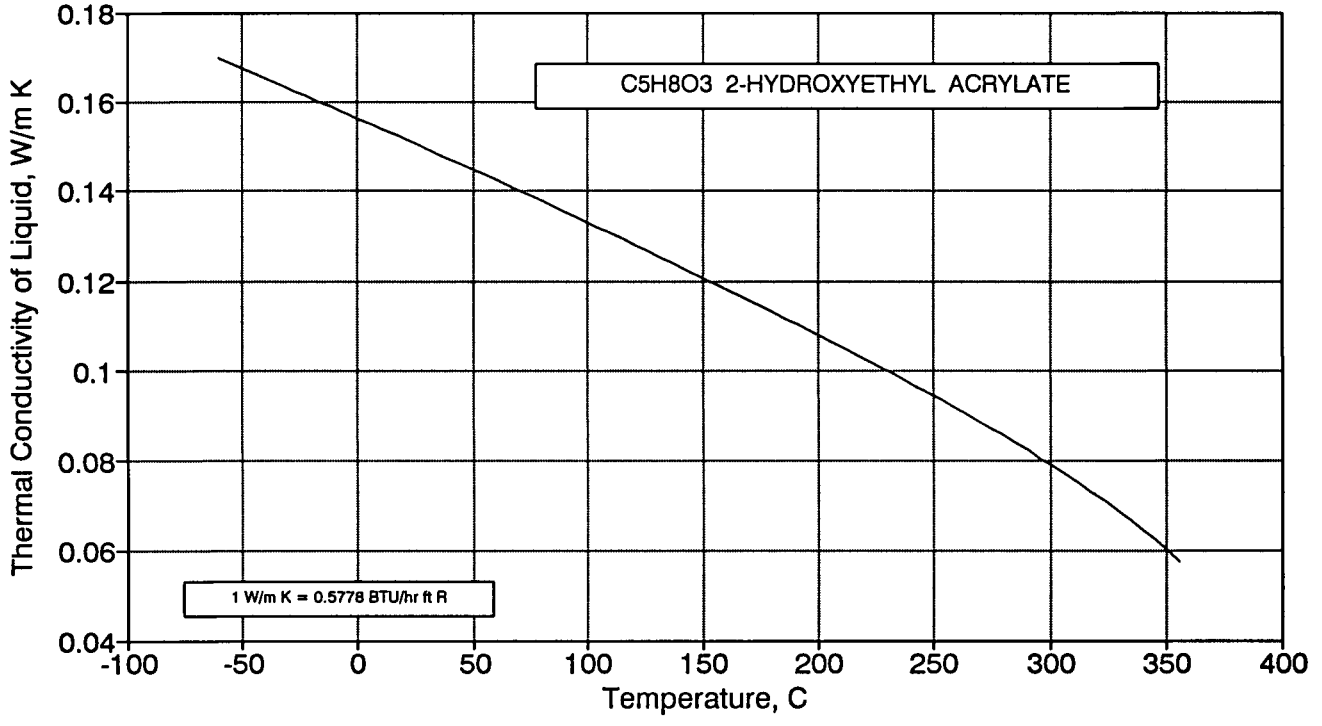

C5H8O2 METHYL METHACRYLATE
Thermal Conductivity of Gas, W/m K
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

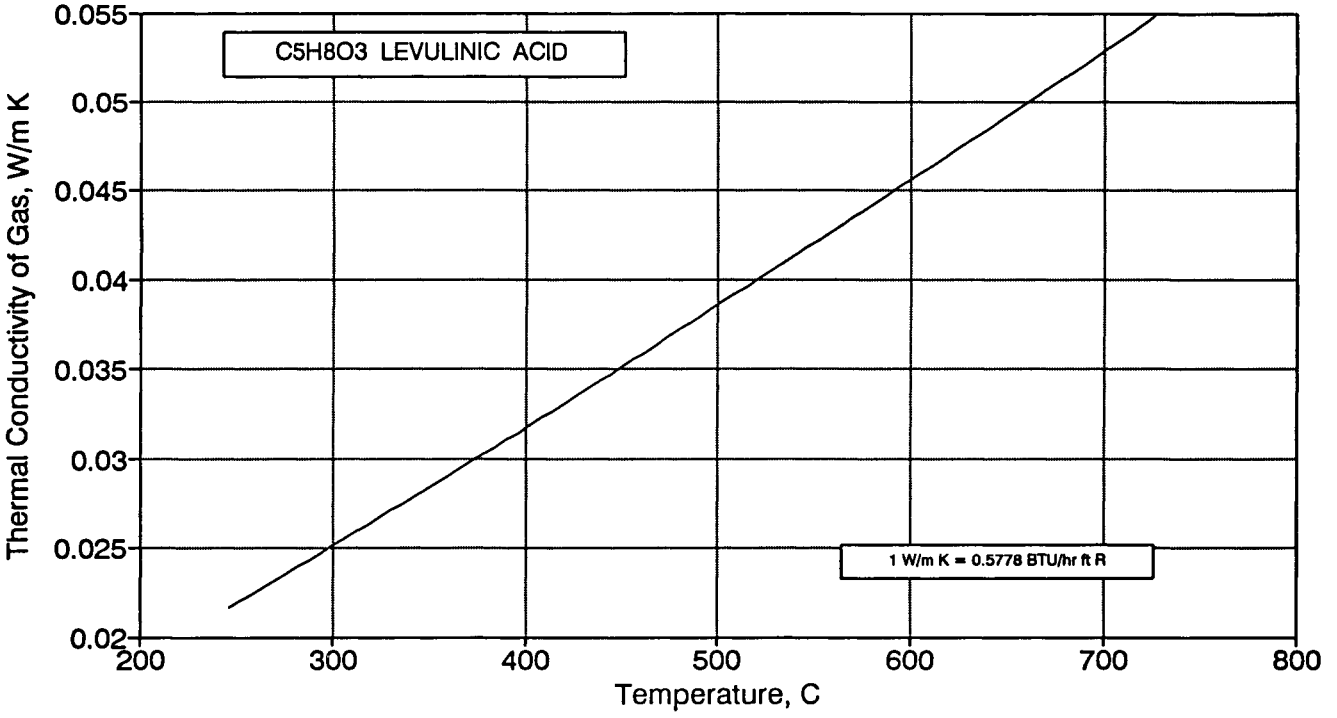

C5H8O2 METHYL METHACRYLATE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

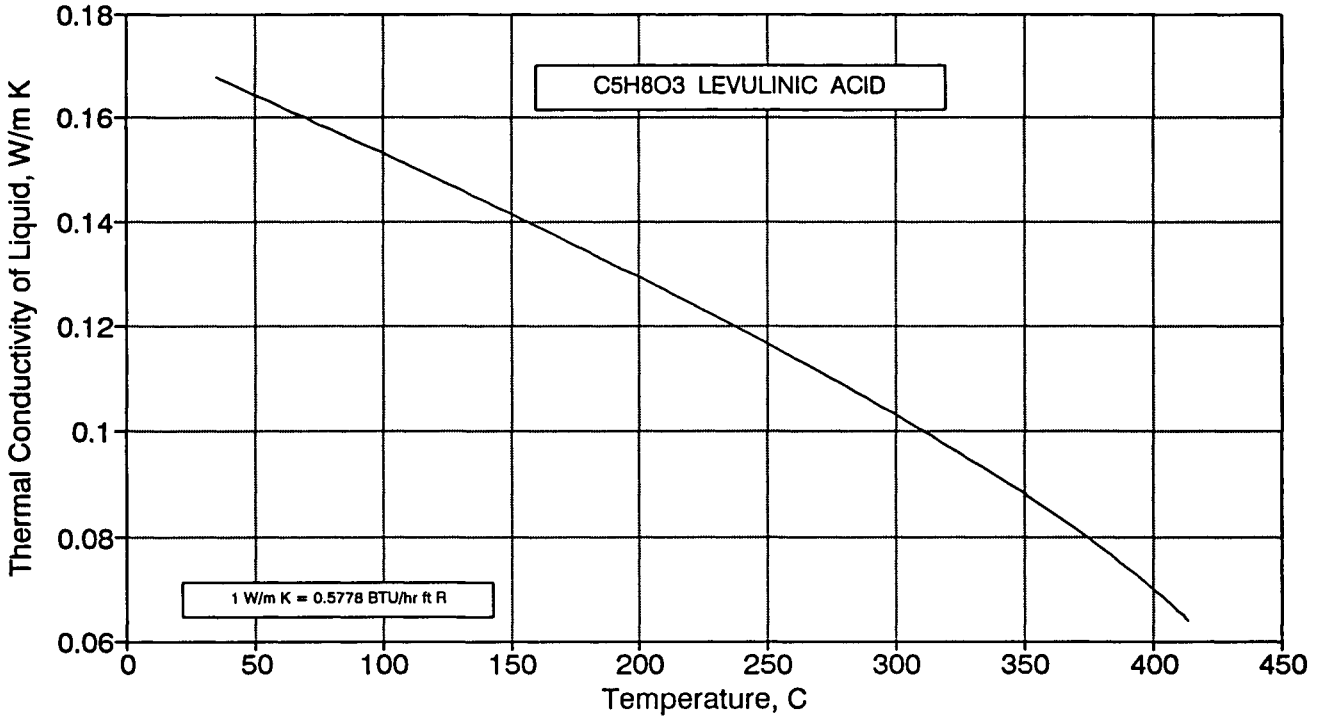

C5H8O2 VINYL PROPIONATE
Thermal Conductivity of Gas, W/m K
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

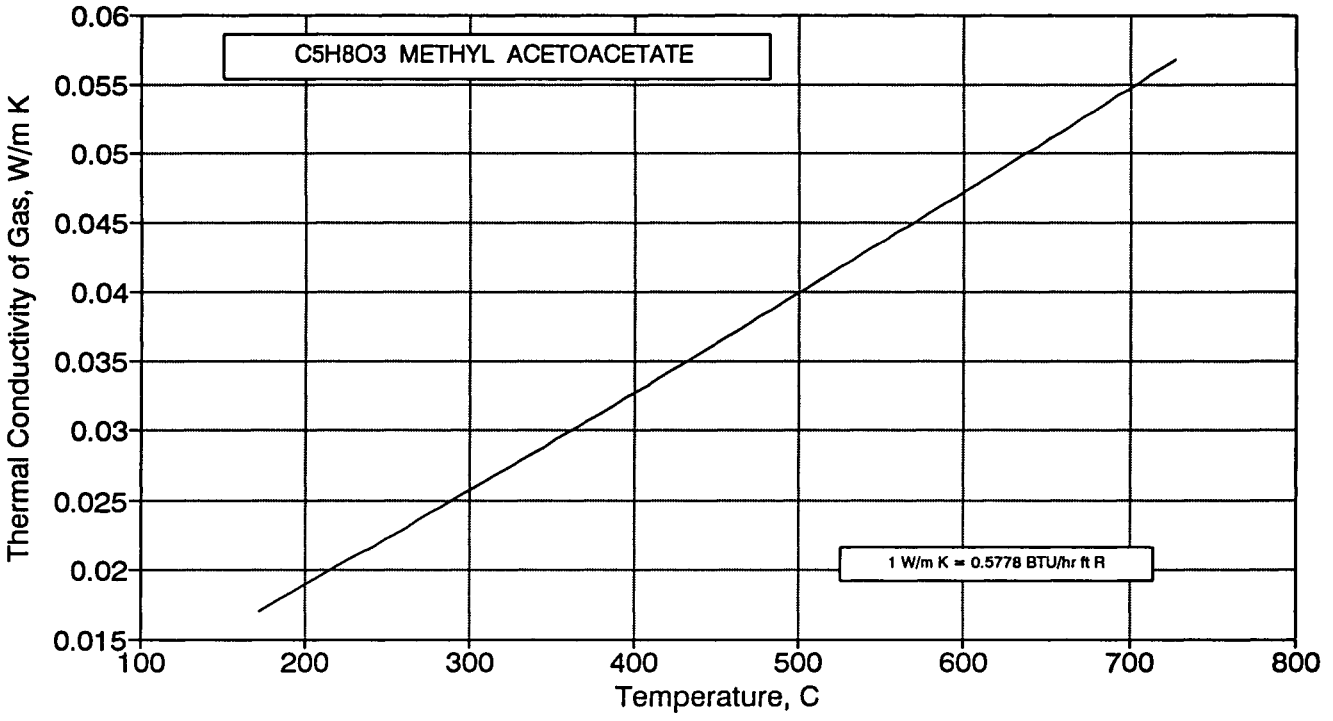

C5H8O2 VINYL PROPIONATE
Thermal Conductivity of Liquid, W/m K
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

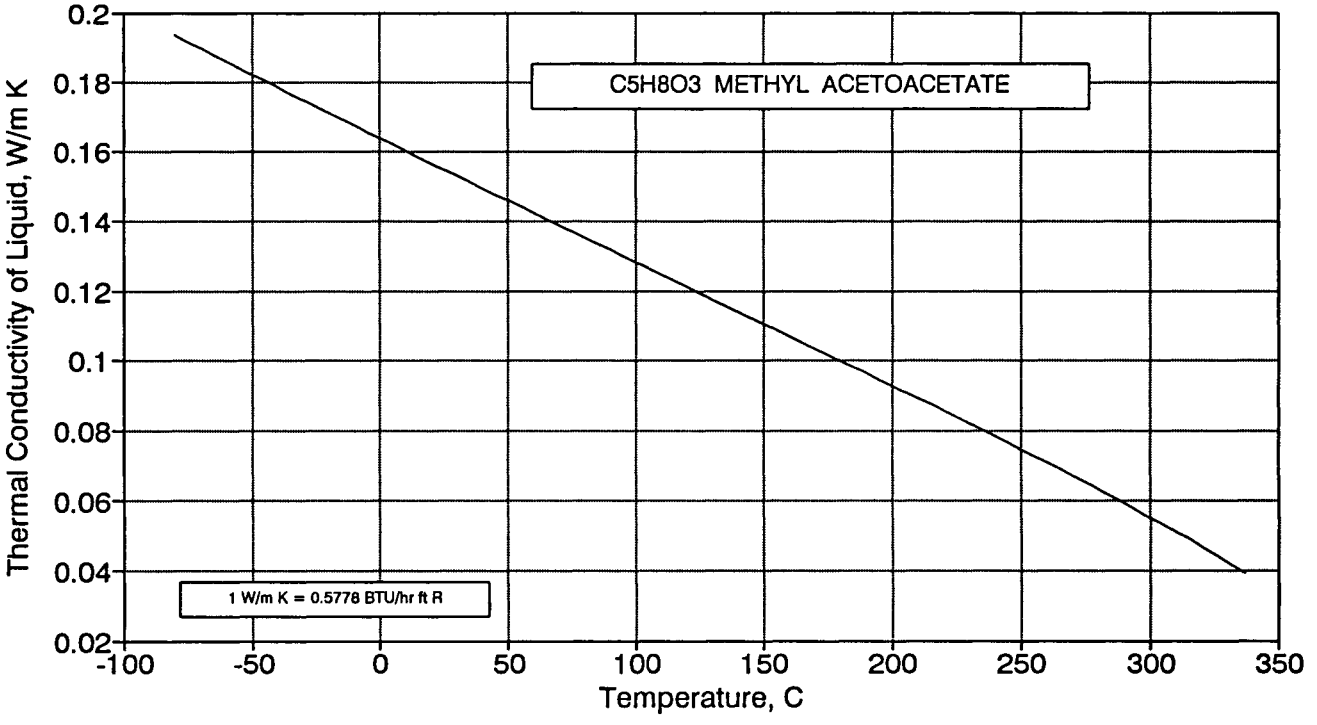

C5H8O3 2-HYDROXYETHYL ACRYLATE
Thermal Conductivity of Gas, W/m K
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

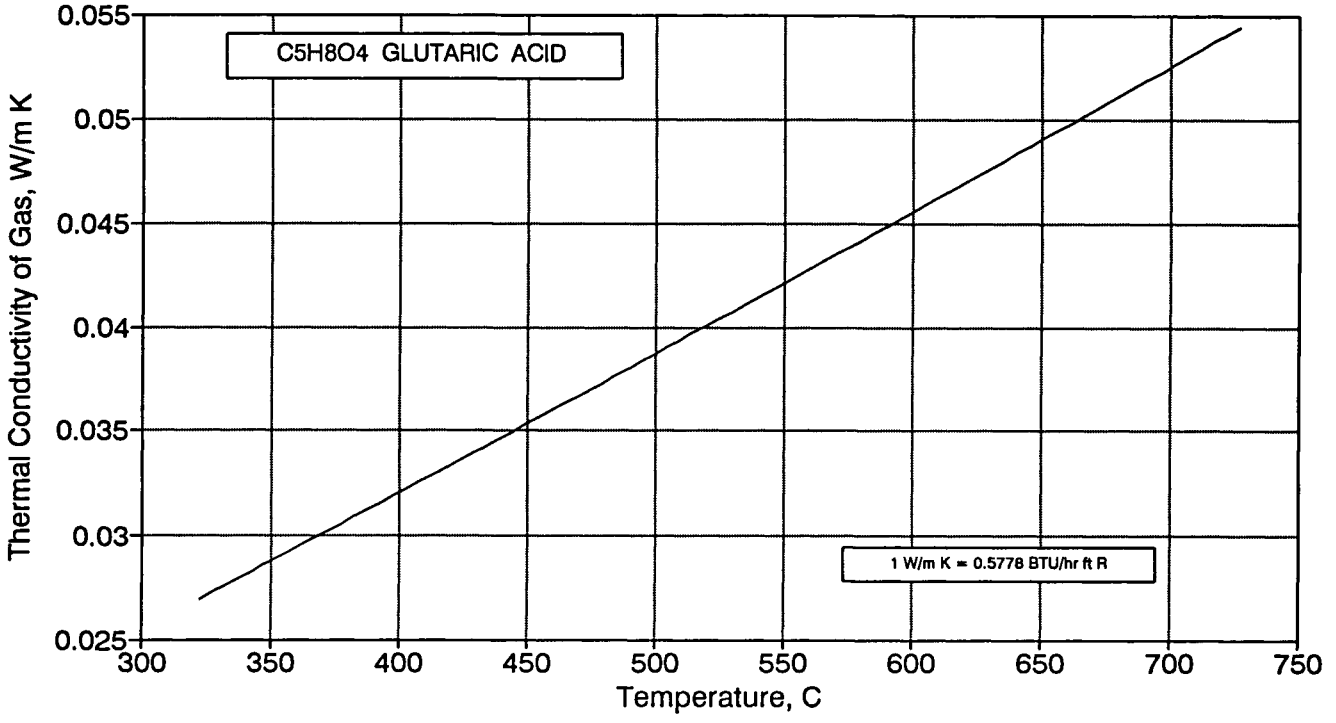

C5H8O3 2-HYDROXYETHYL ACRYLATE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

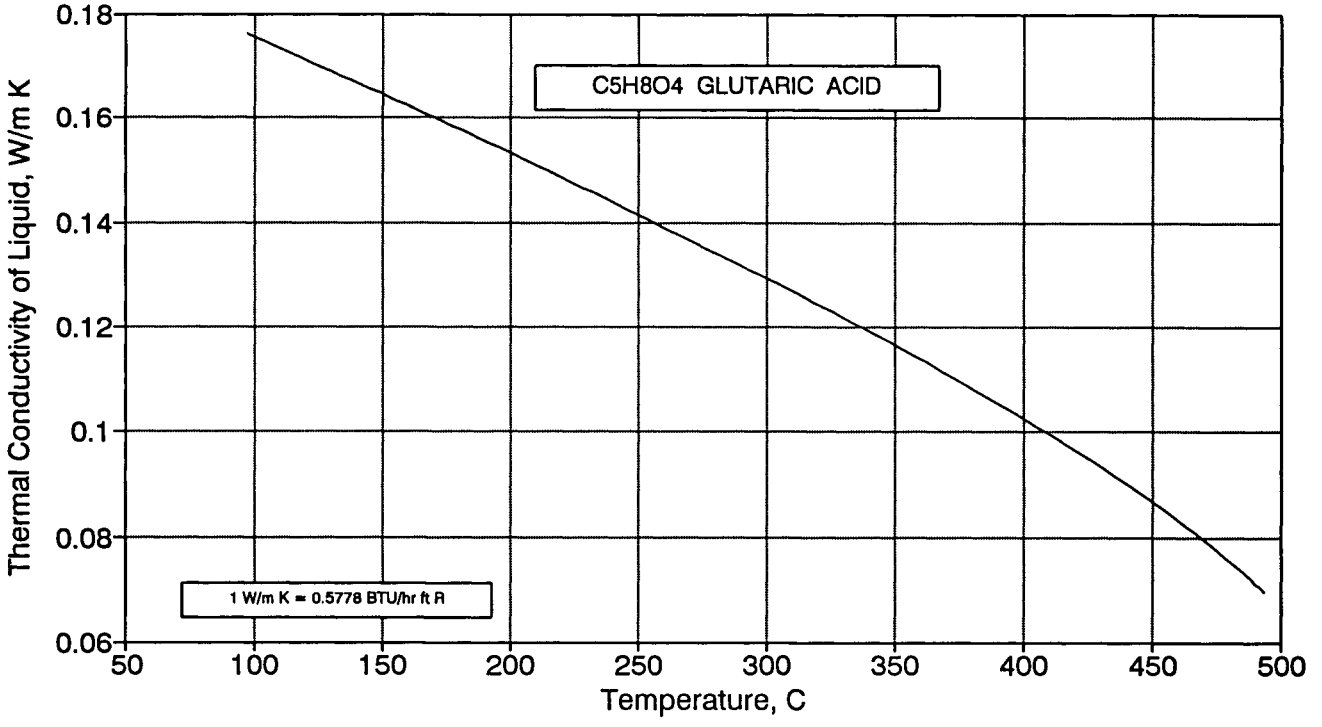

C5H8O3 LEVULINIC ACID
Thermal Conductivity of Gas, W/m K
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

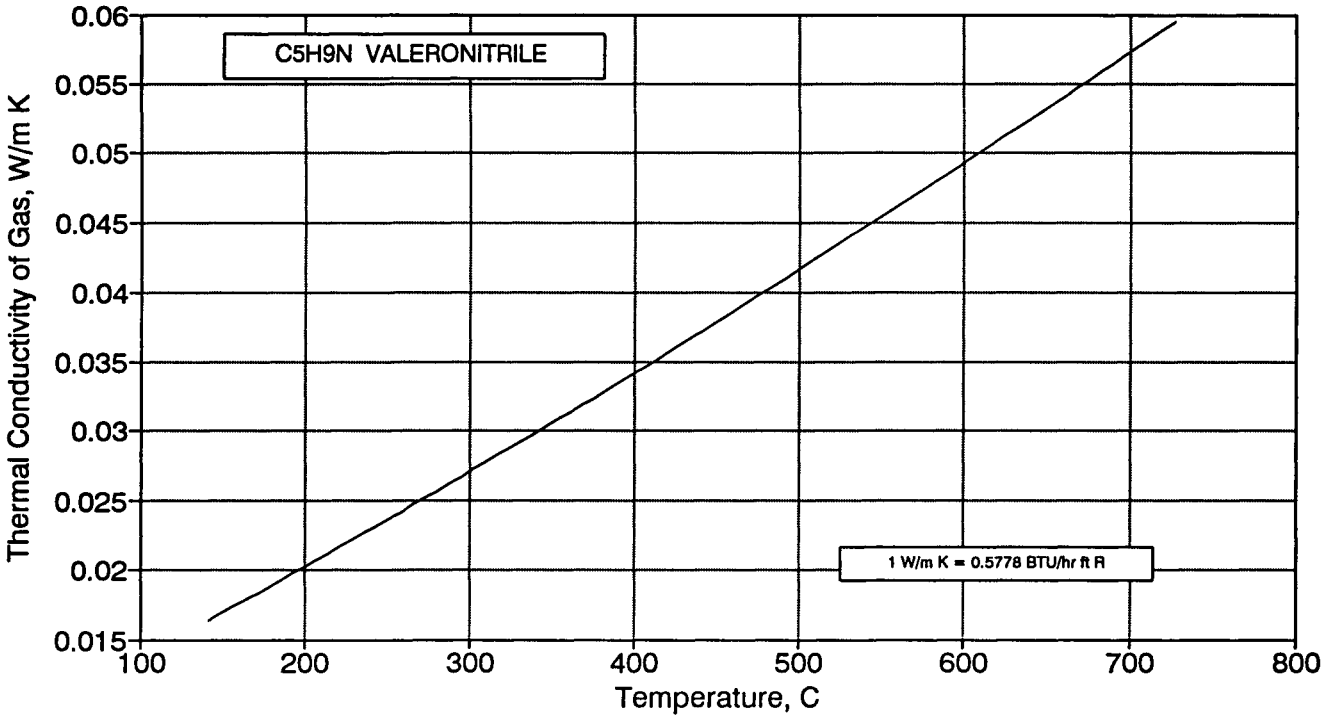

C5H8O3 LEVULINIC ACID
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0
50
100
150
200
250
300
350
400
450
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

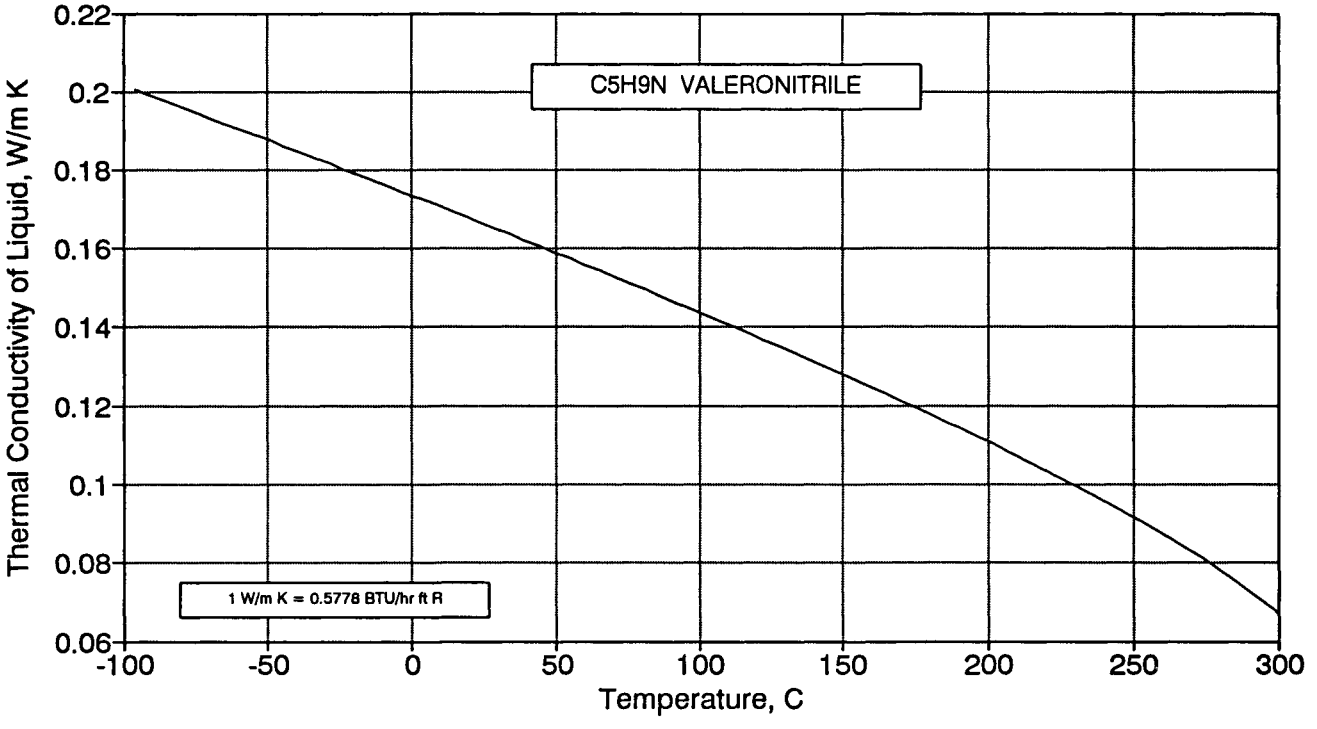

C5H8O3 METHYL ACETOACETATE
Thermal Conductivity of Gas, W/m K
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

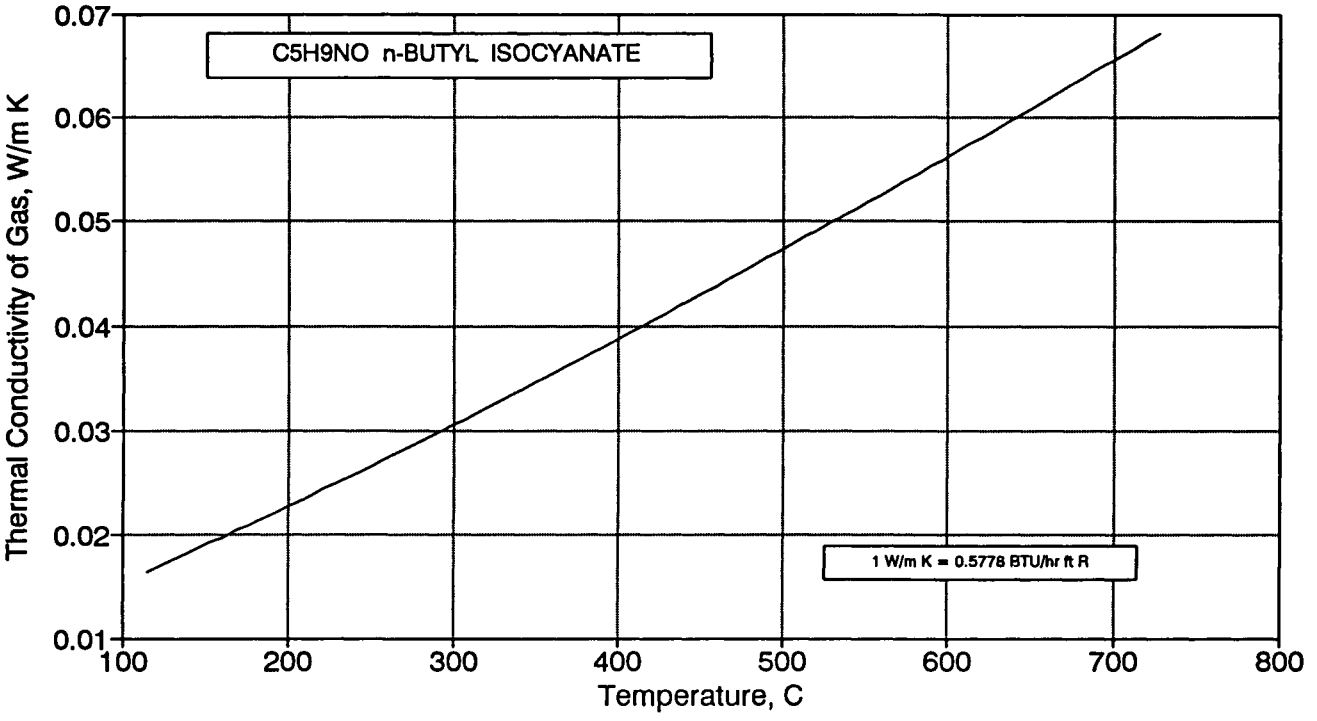

C5H8O3 METHYL ACETOACETATE
Thermal Conductivity of Liquid, W/m K
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
-100
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

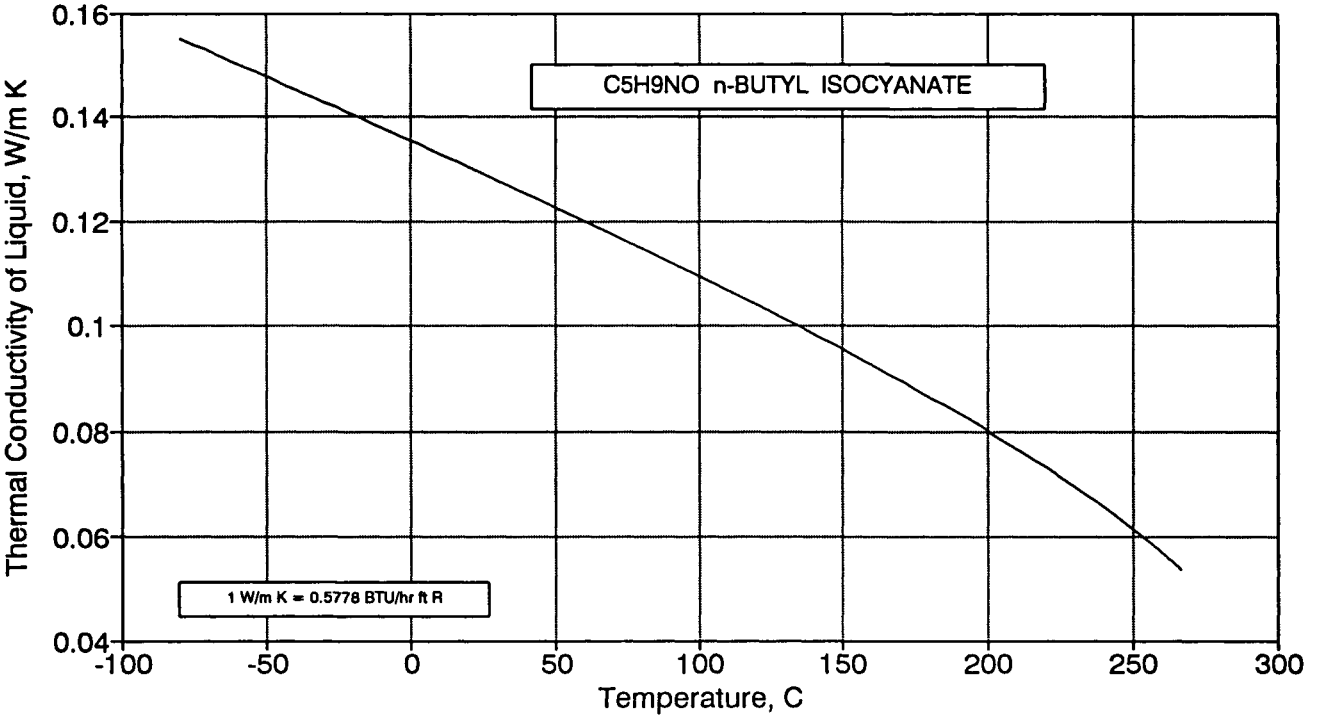

C5H8O4 GLUTARIC ACID
Thermal Conductivity of Gas, W/m K
0.055
0.05
0.045
0.04
0.035
0.03
0.025
300
350
400
450
500
550
600
650
700
750
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

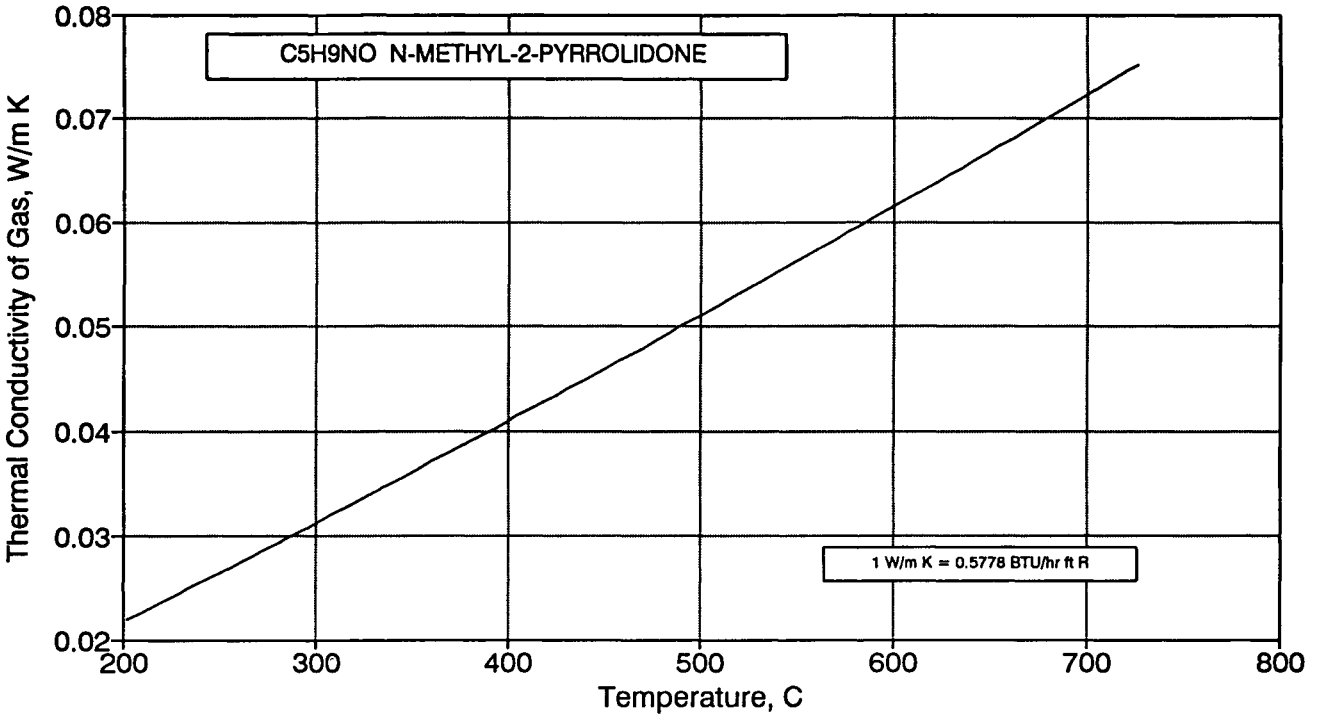

C5H8O4 GLUTARIC ACID
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
50
100
150
200
250
300
350
400
450
500
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

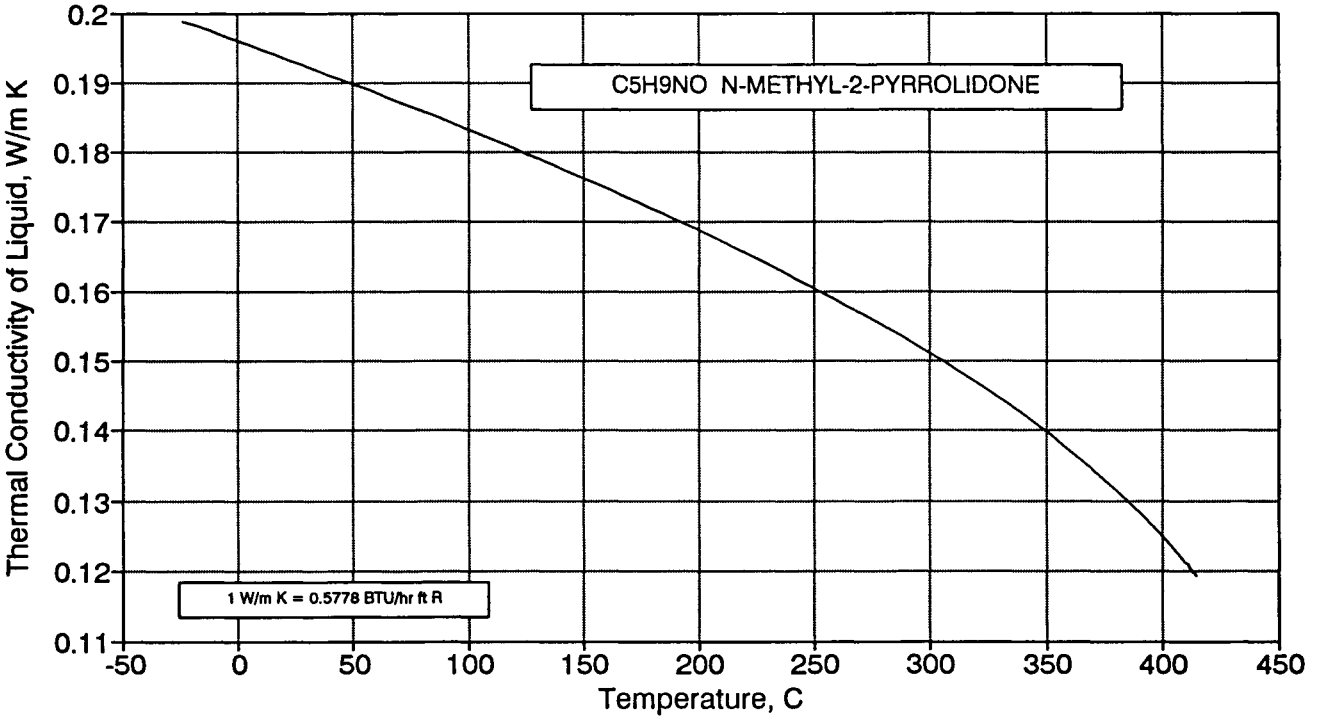

C5H9N VALERONITRILE
Thermal Conductivity of Gas, W/m K
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

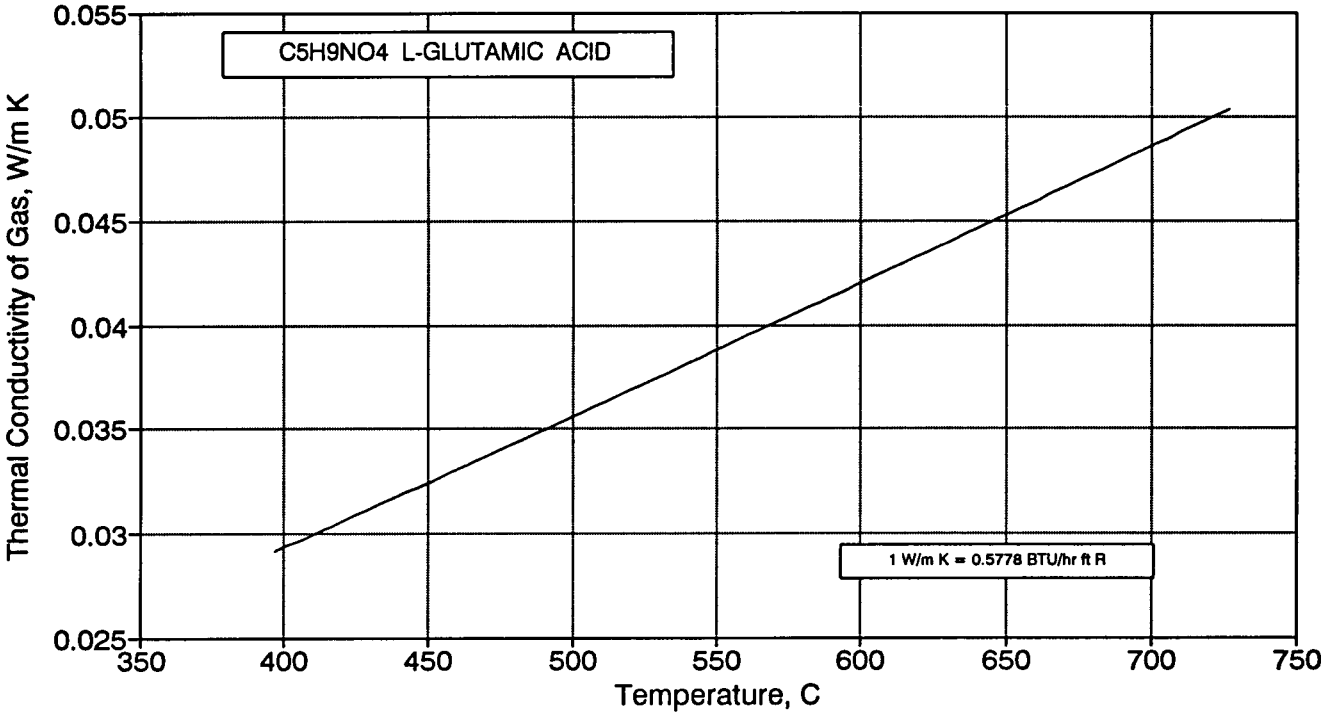

C5H9N VALERONITRILE
Thermal Conductivity of Liquid, W/m K
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C5H9NO n-BUTYL ISOCYANATE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C


C5H9NO n-BUTYL ISOCYANATE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
Temperature, C

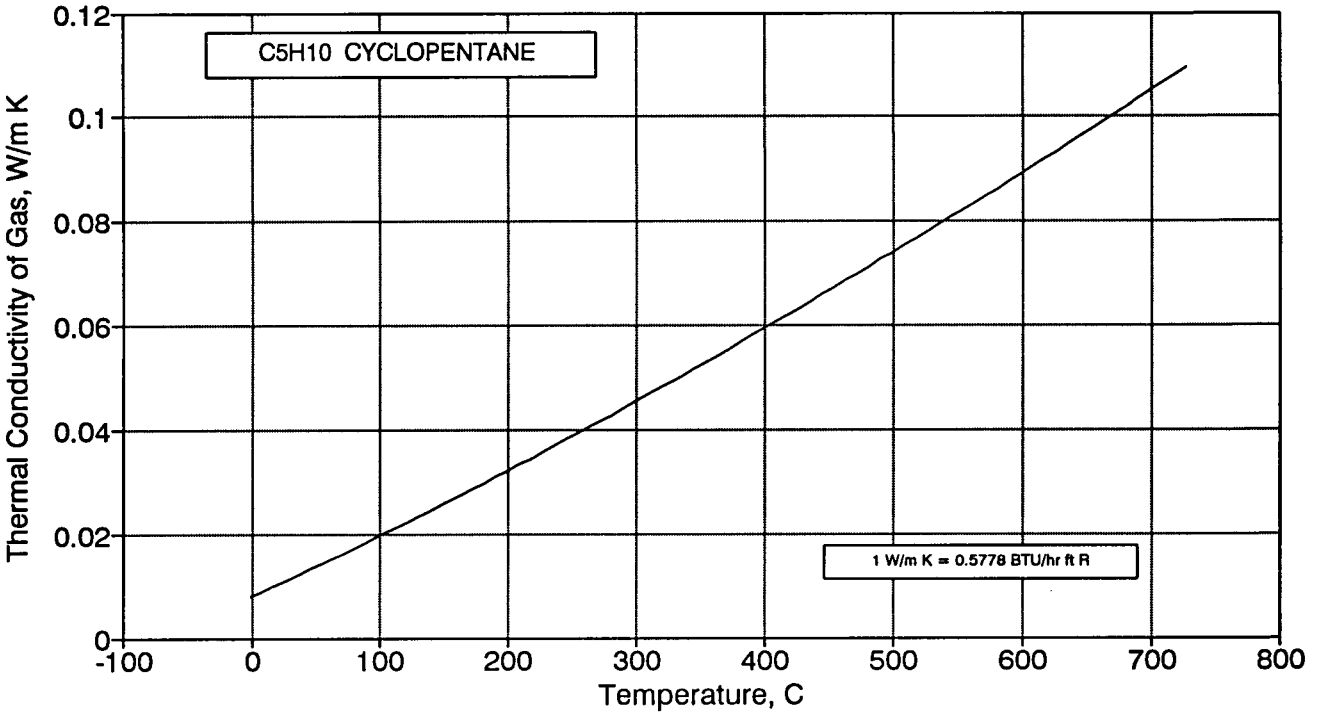

C5H9NO N-METHYL-2-PYRROLIDONE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
200
300
400
500
600
700
800
Temperature, C

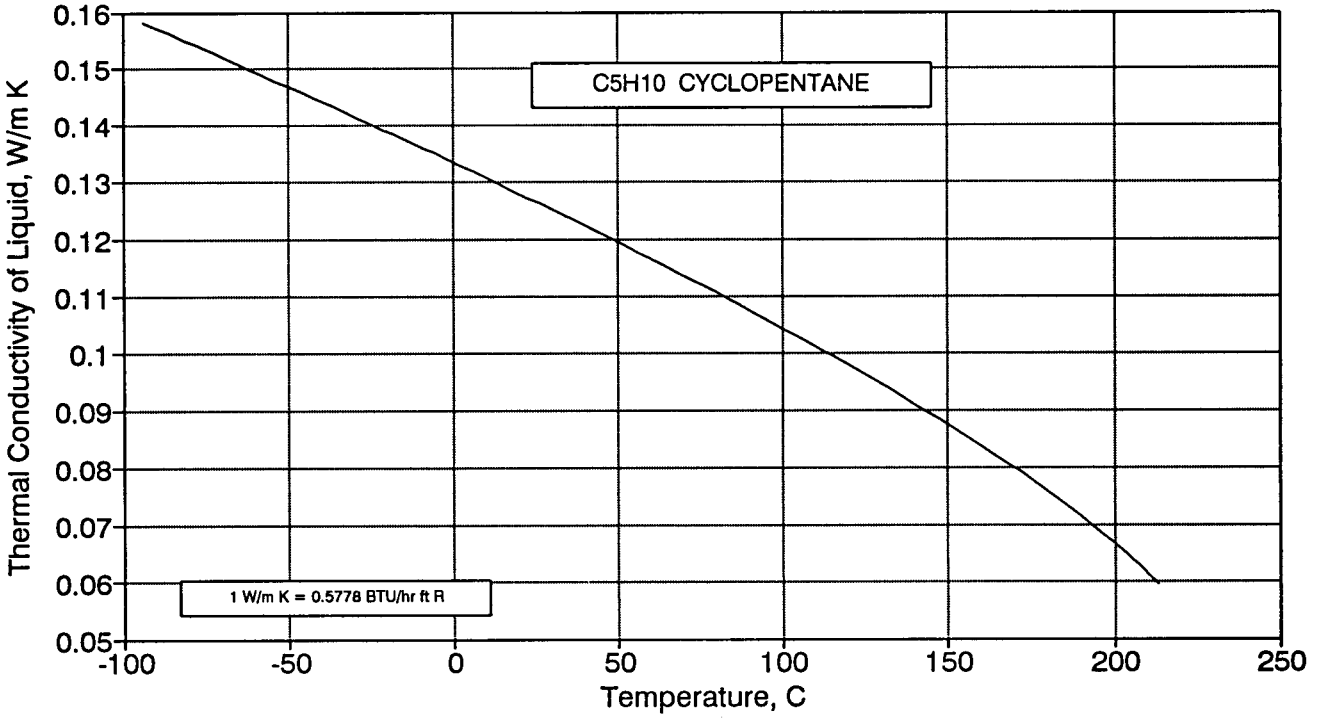

C5H9NO N-METHYL-2-PYRROLIDONE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.2
0.19
0.18
0.17
0.16
0.15
0.14
0.13
0.12
0.11
-50
0
50
100
150
200
250
300
350
400
450
Temperature, C

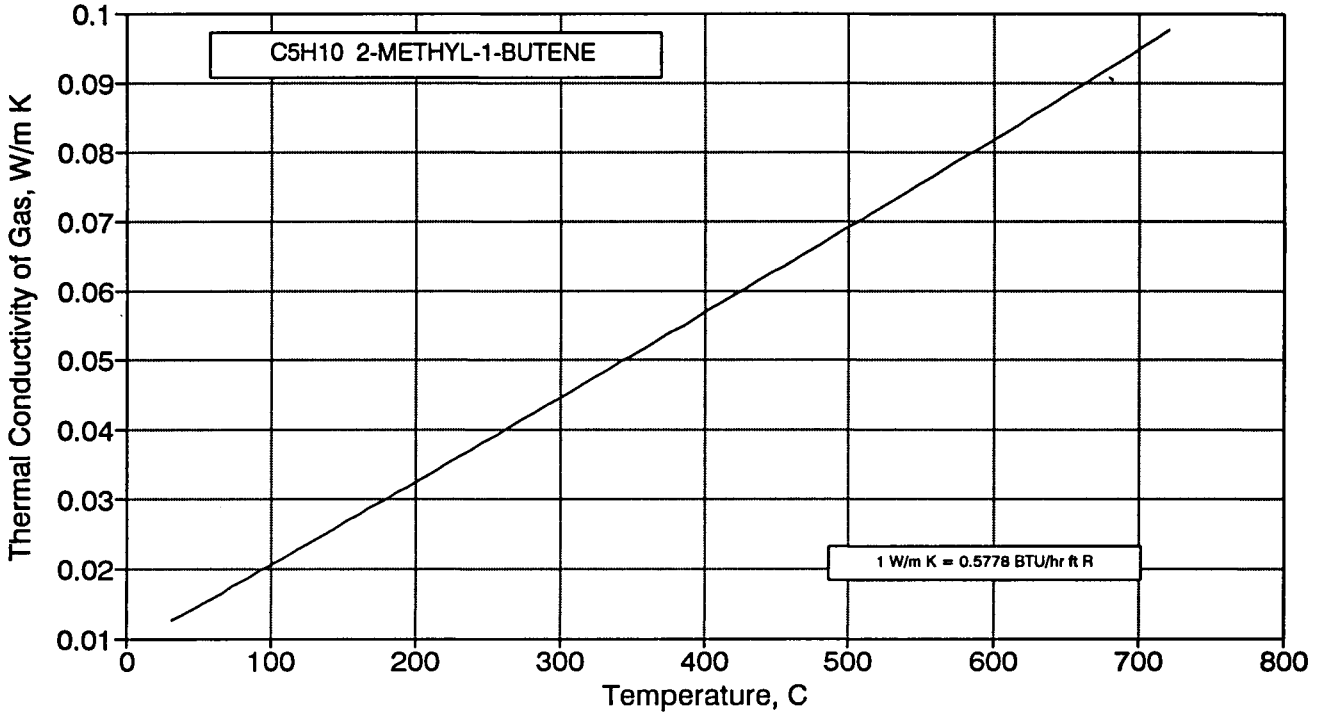


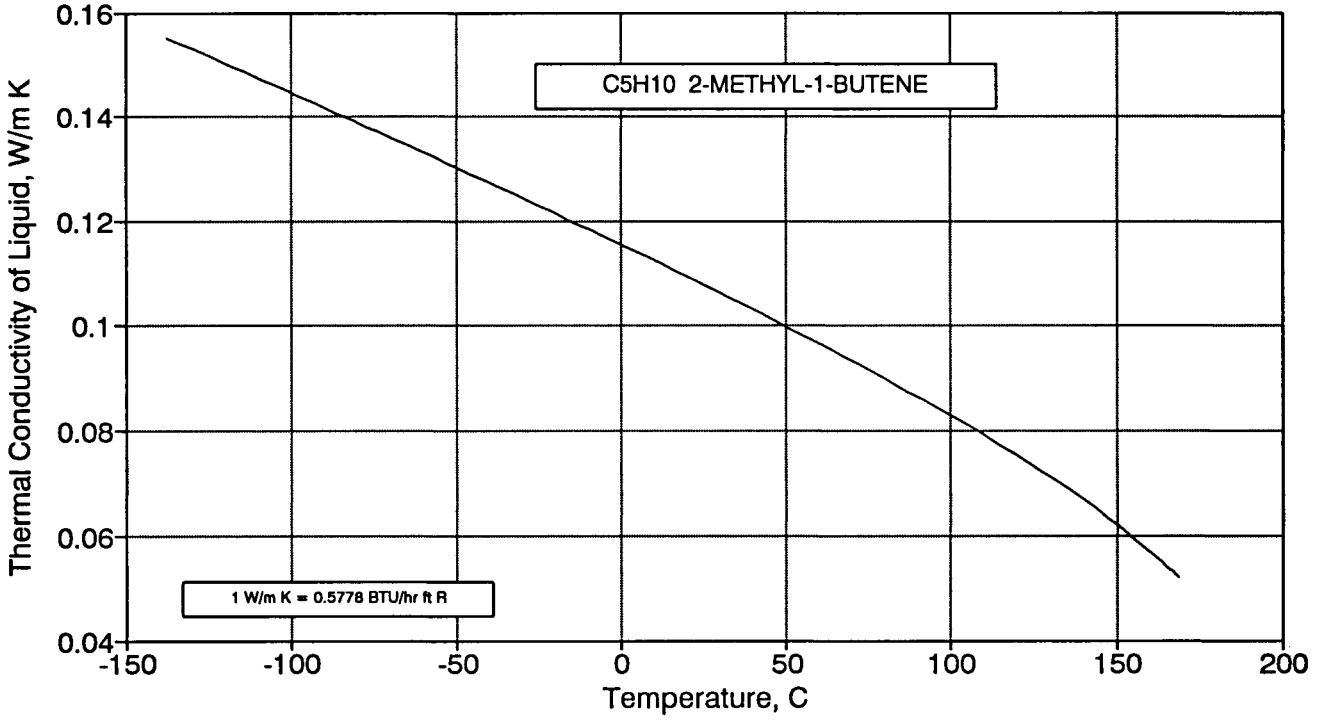
C5H9NO4 L-GLUTAMIC ACID

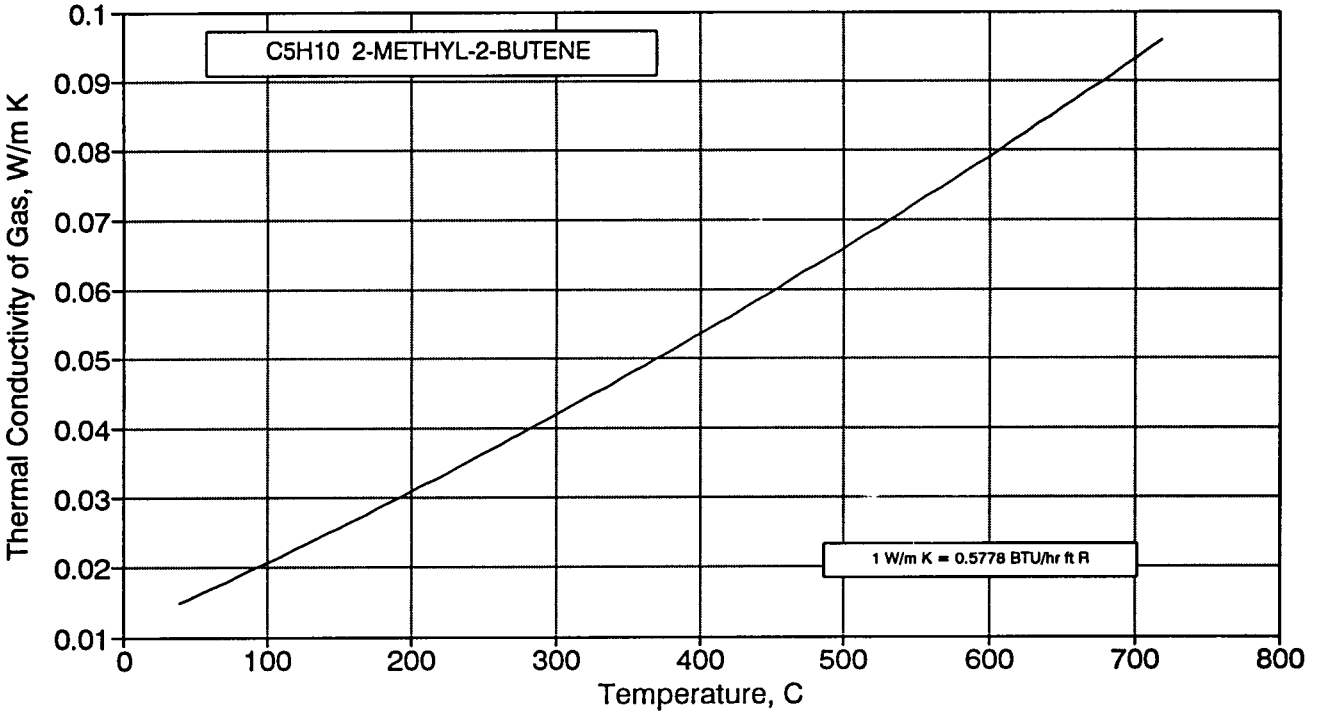
Liquid thermal conductivity data are not available .

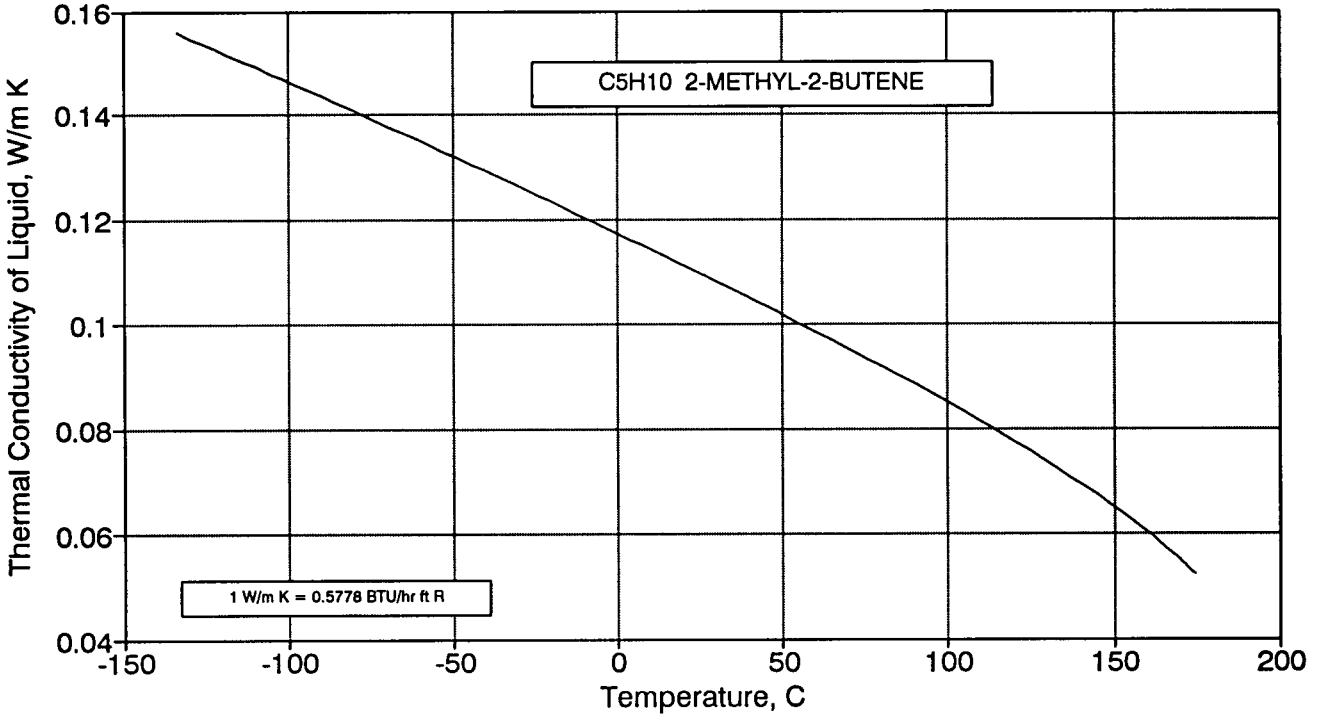

C5H10 CYCLOPENTANE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.12
0.1
0.08
0.06
0.04
0.02
0
-100
0
100
200
300
400
500
600
700
800

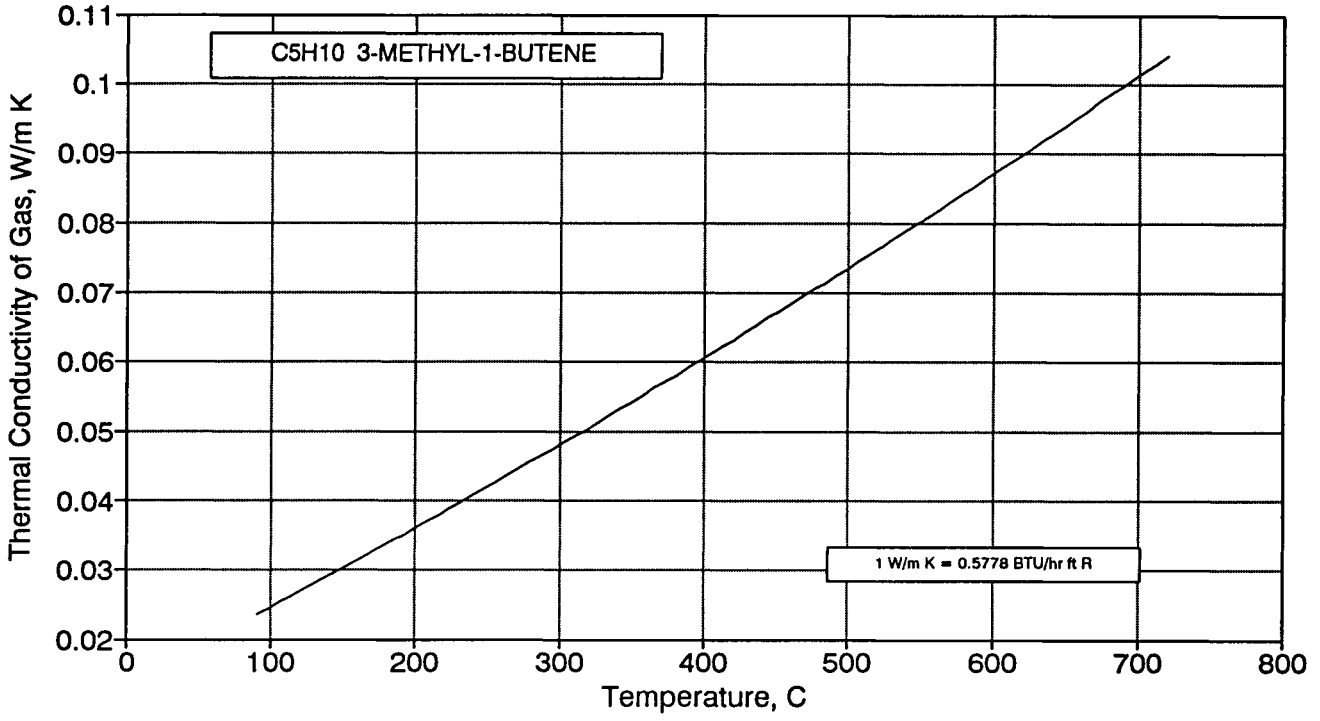

C5H10 CYCLOPENTANE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
-100
-50
0
50
100
150
200
250

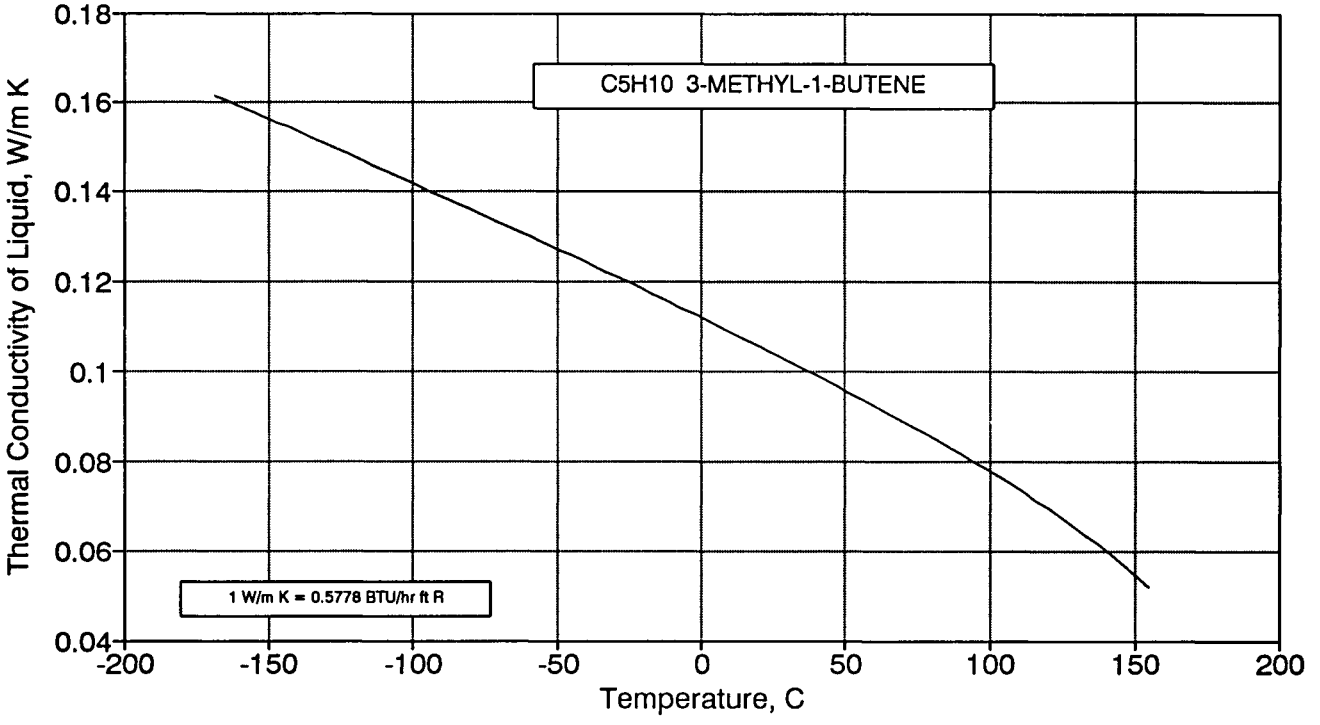

C5H10 2-METHYL-1-BUTENE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

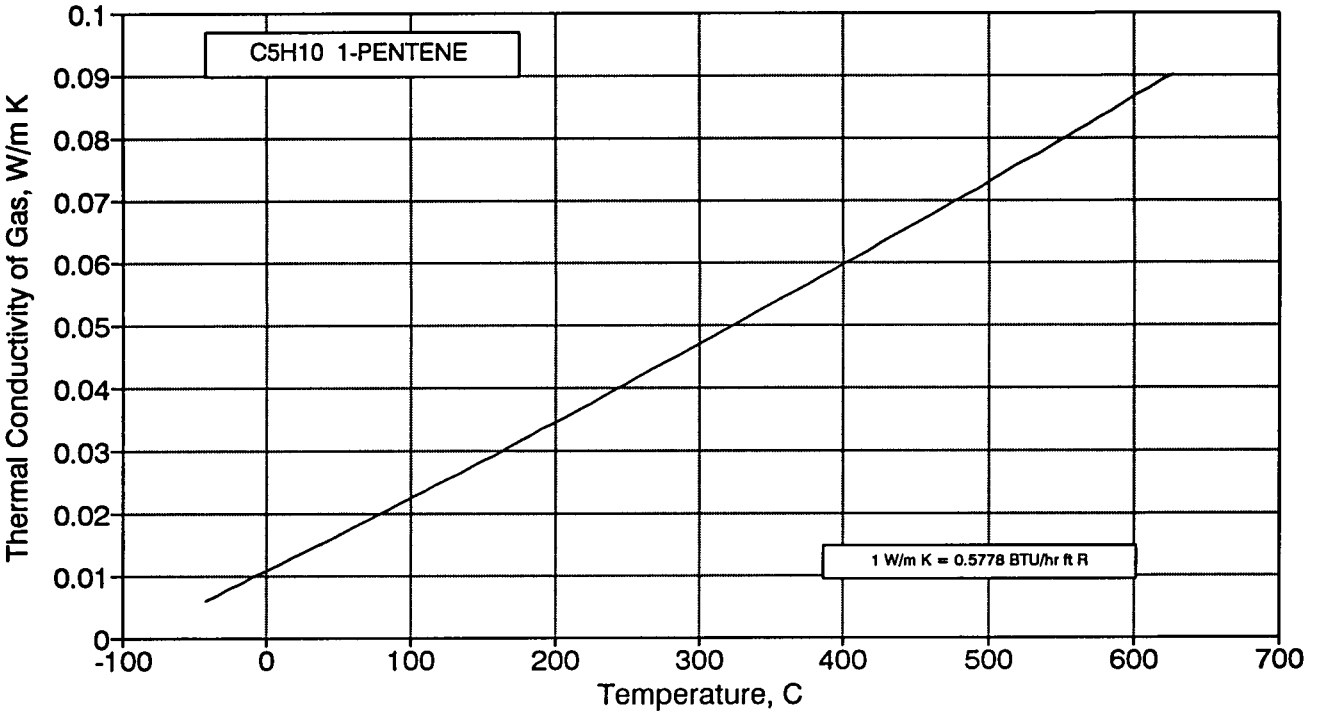

C5H10 2-METHYL-1-BUTENE
Thermal Conductivity of Liquid, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

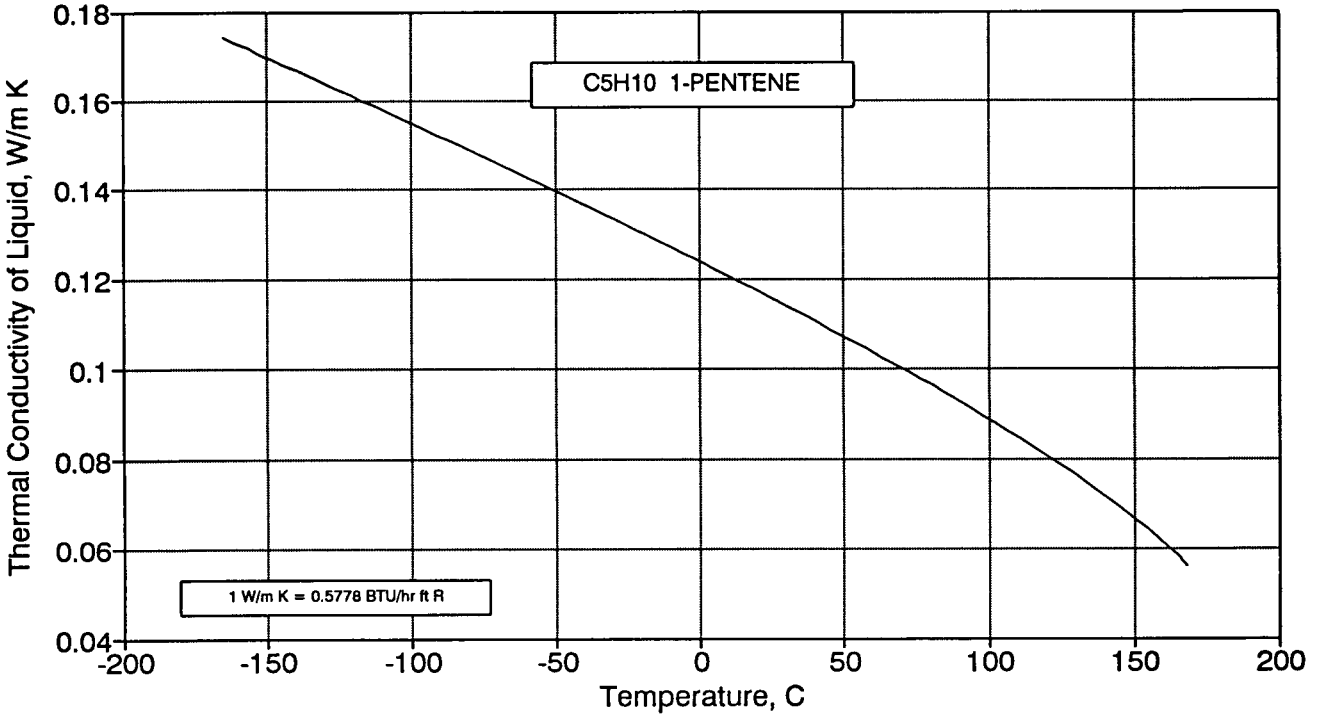

C5H10 2-METHYL-2-BUTENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800

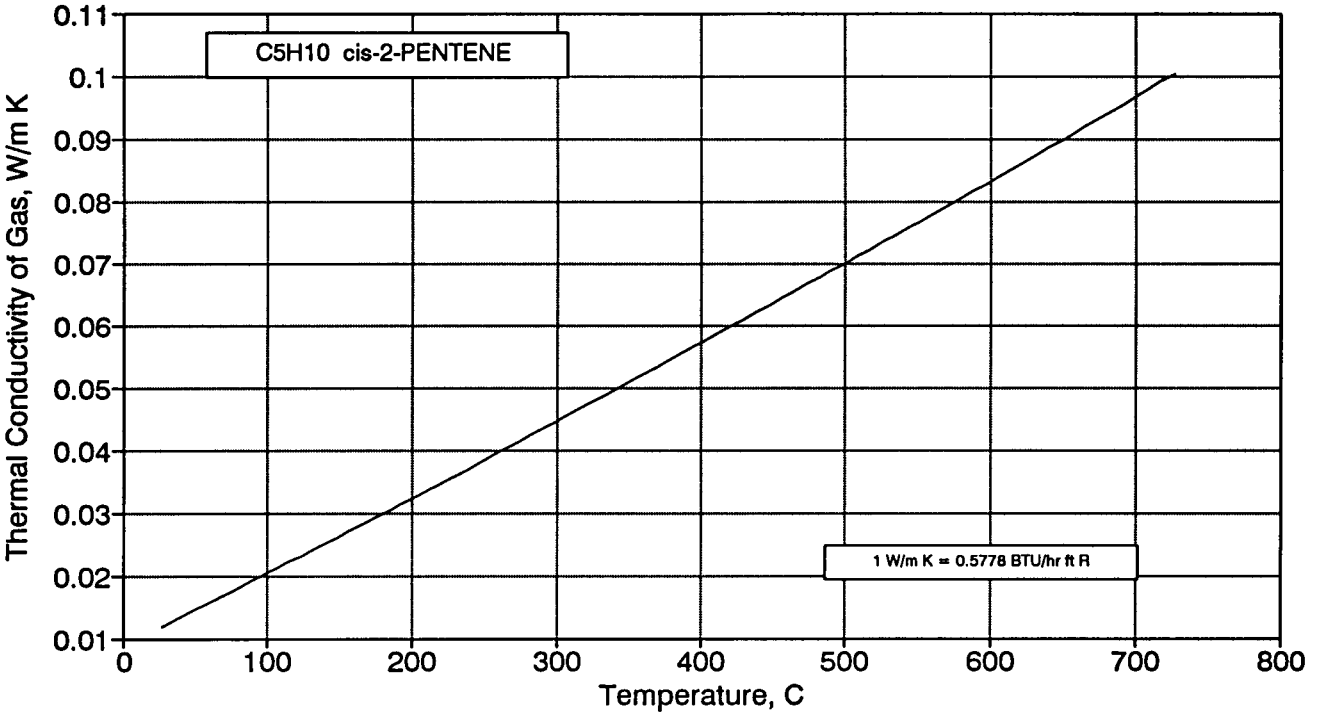

C5H10 2-METHYL-2-BUTENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200

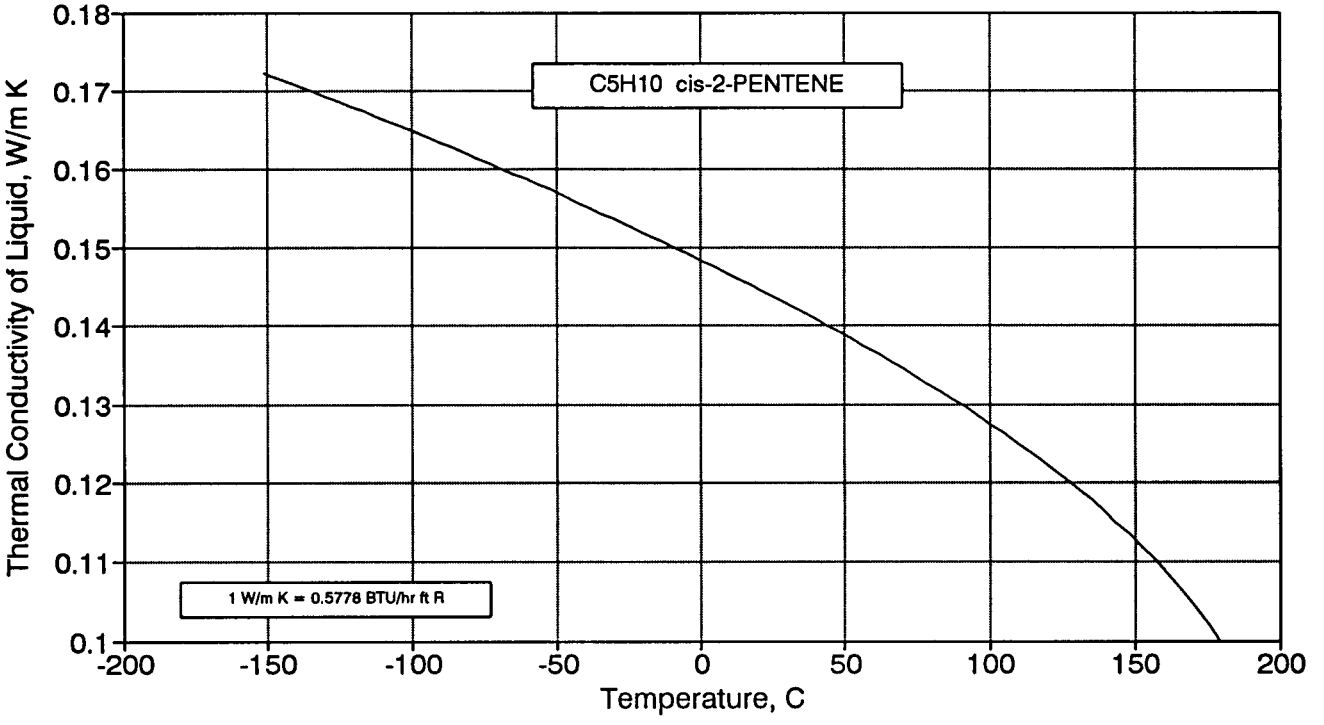

C5H10 3-METHYL-1-BUTENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0
100
200
300
400
500
600
700
800

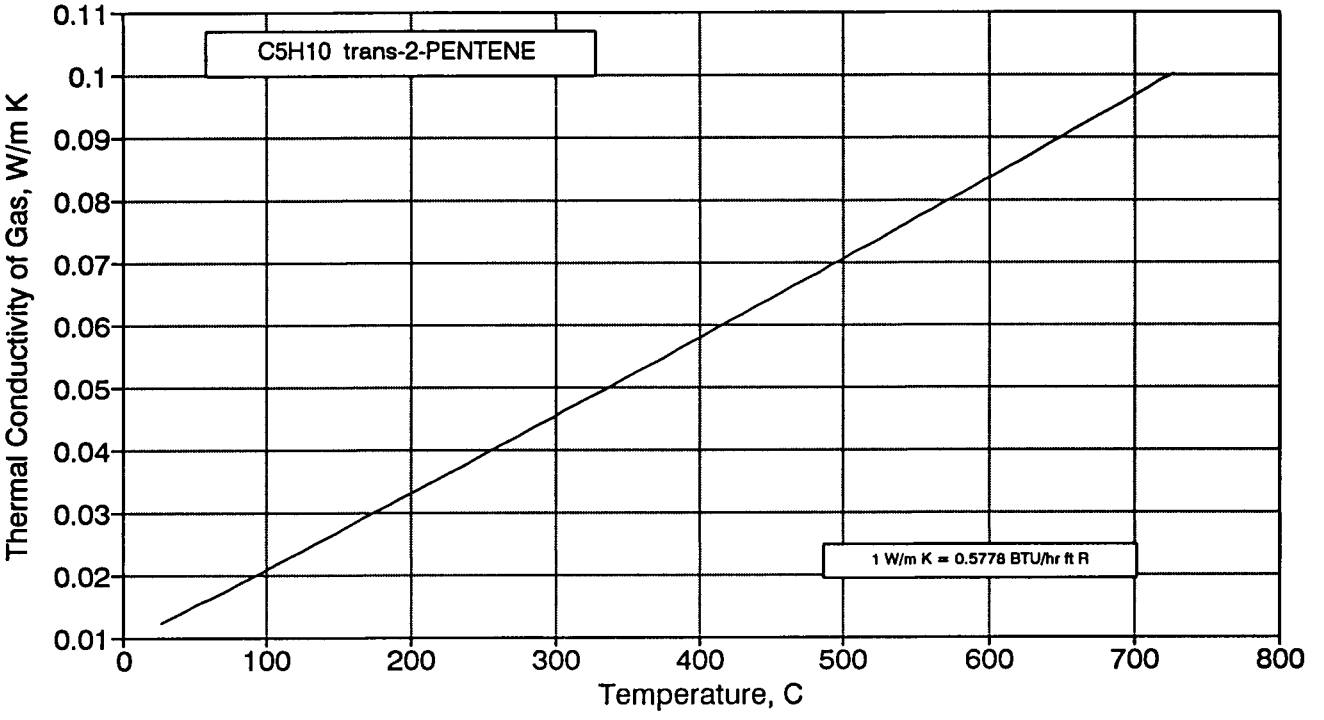

C5H10 3-METHYL-1-BUTENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-200
-150
-100
-50
0
50
100
150
200

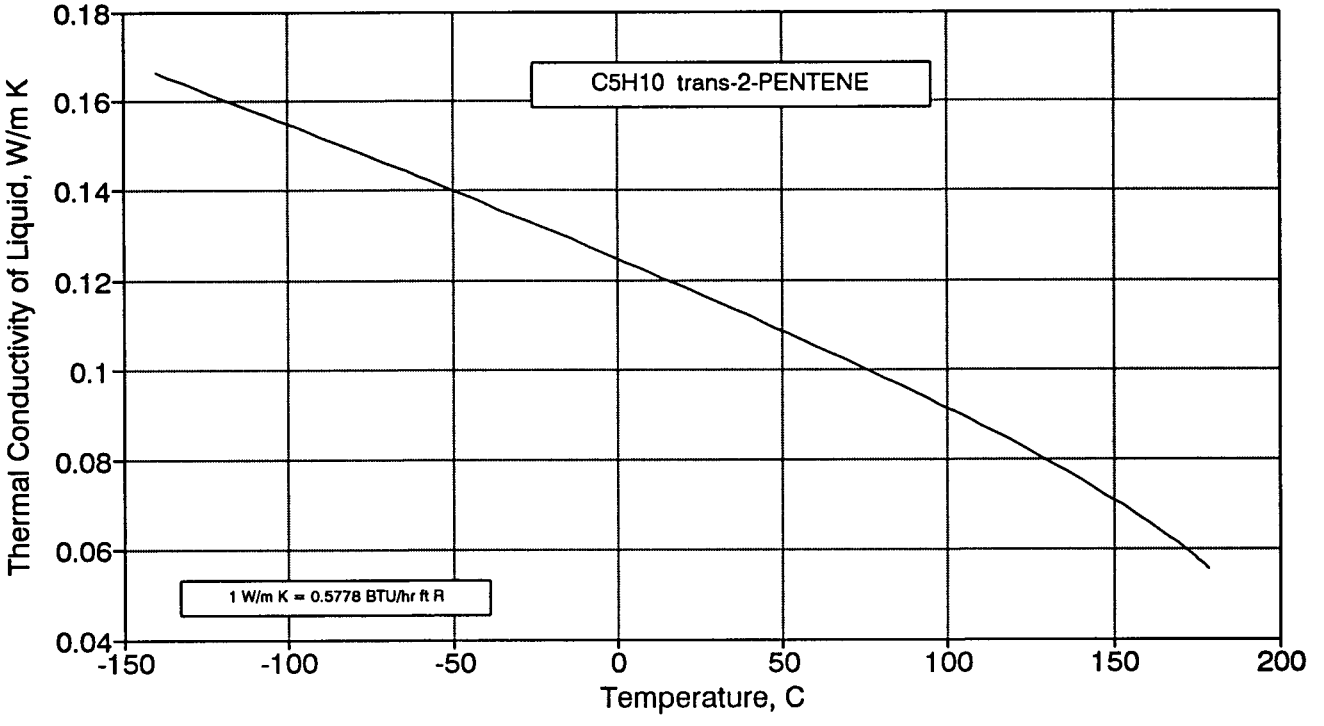

C5H10 1-PENTENE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
-100
0
100
200
300
400
500
600
700
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

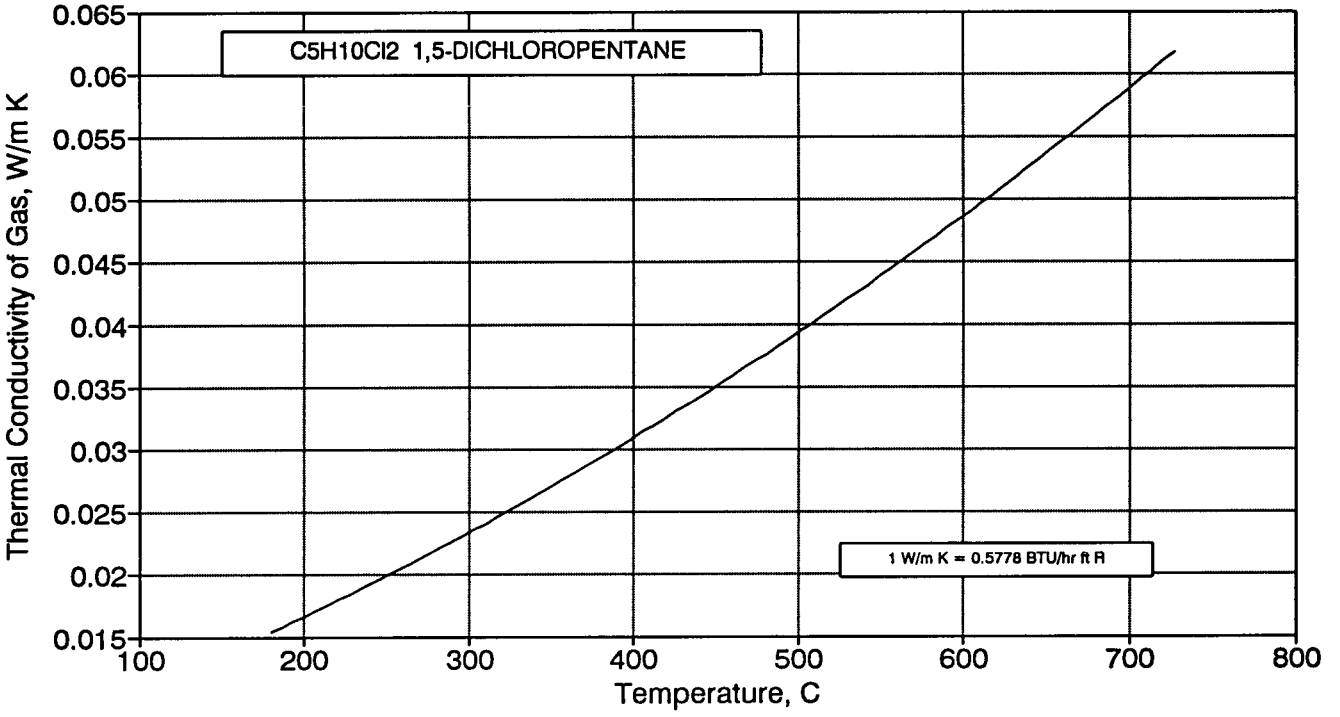

C5H10 1-PENTENE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-200
-150
-100
-50
0
50
100
150
200
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

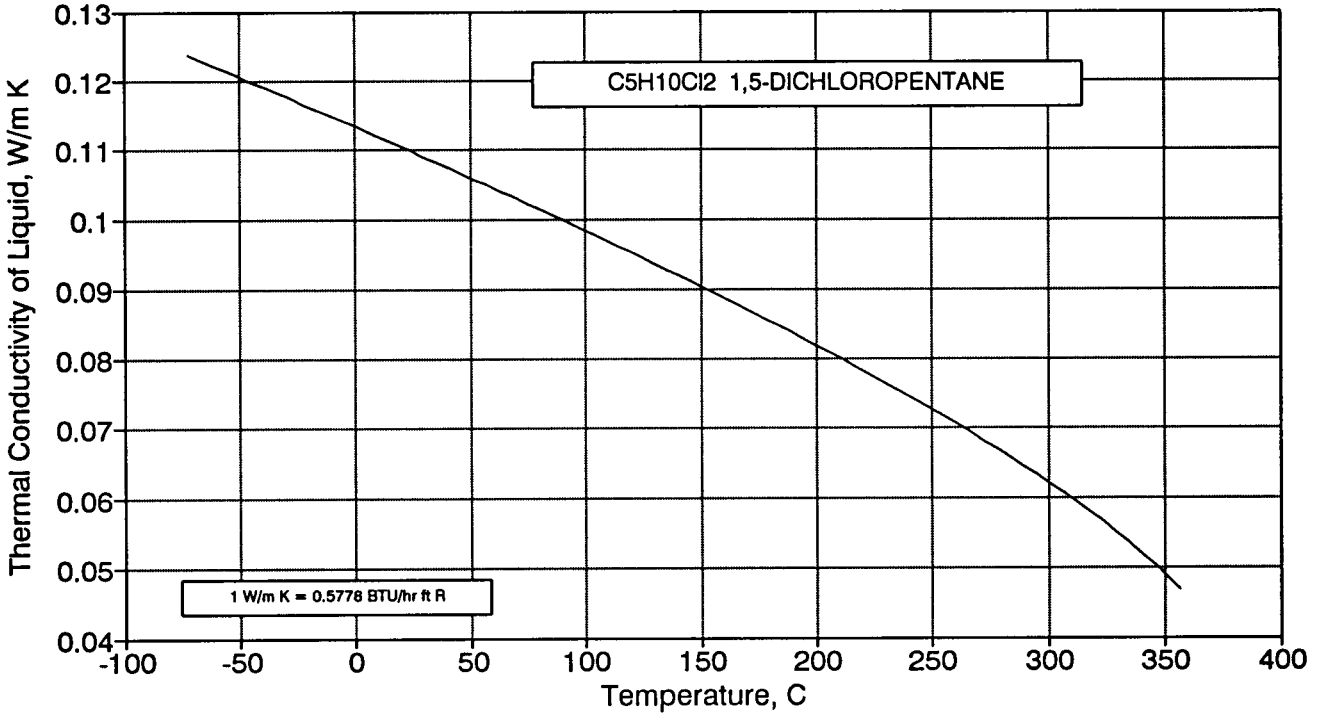

C5H10 cis-2-PENTENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800

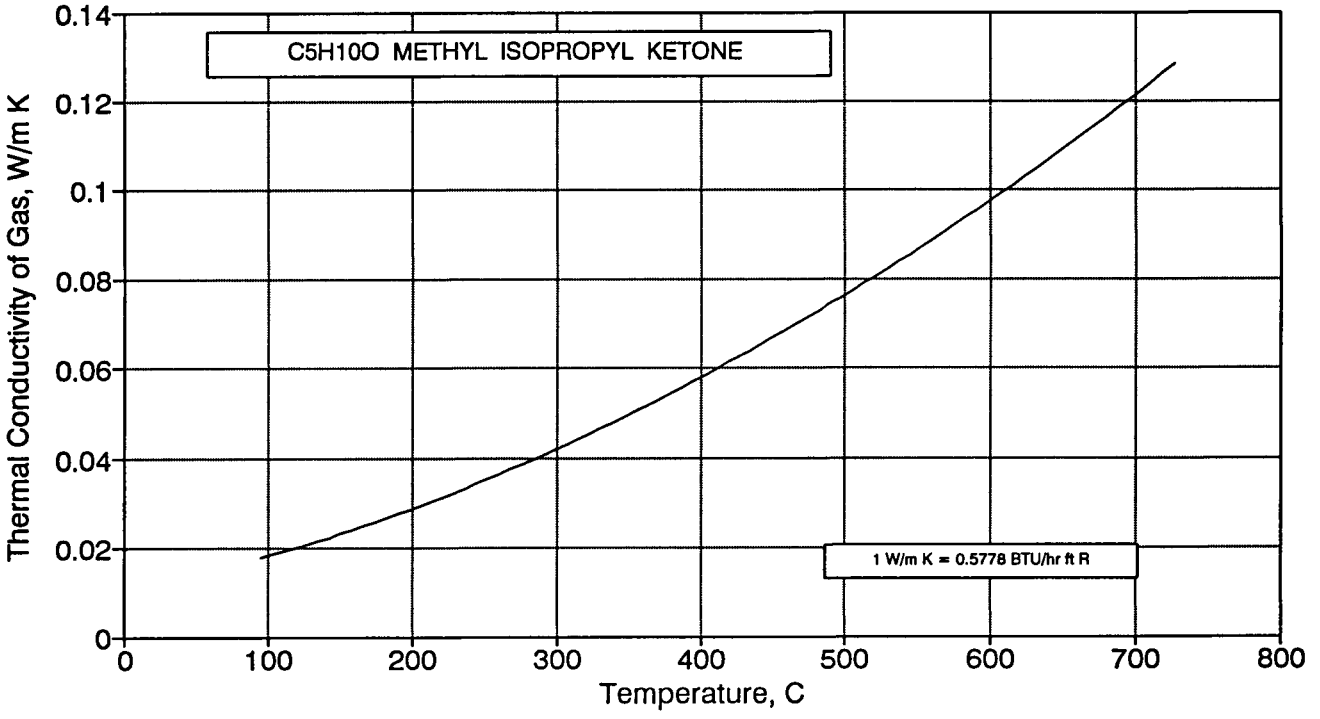

C5H10 cis-2-PENTENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.18
0.17
0.16
0.15
0.14
0.13
0.12
0.11
0.1
-200
-150
-100
-50
0
50
100
150
200

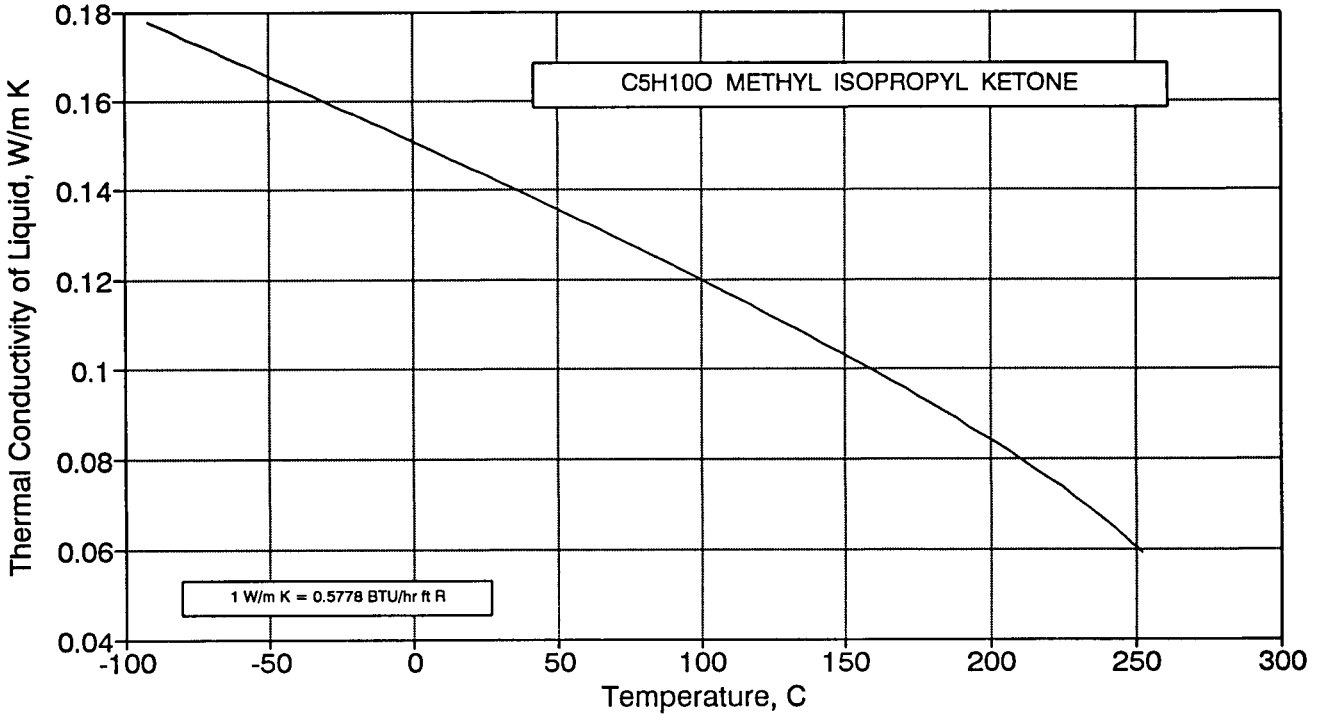

C5H10 trans-2-PENTENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800

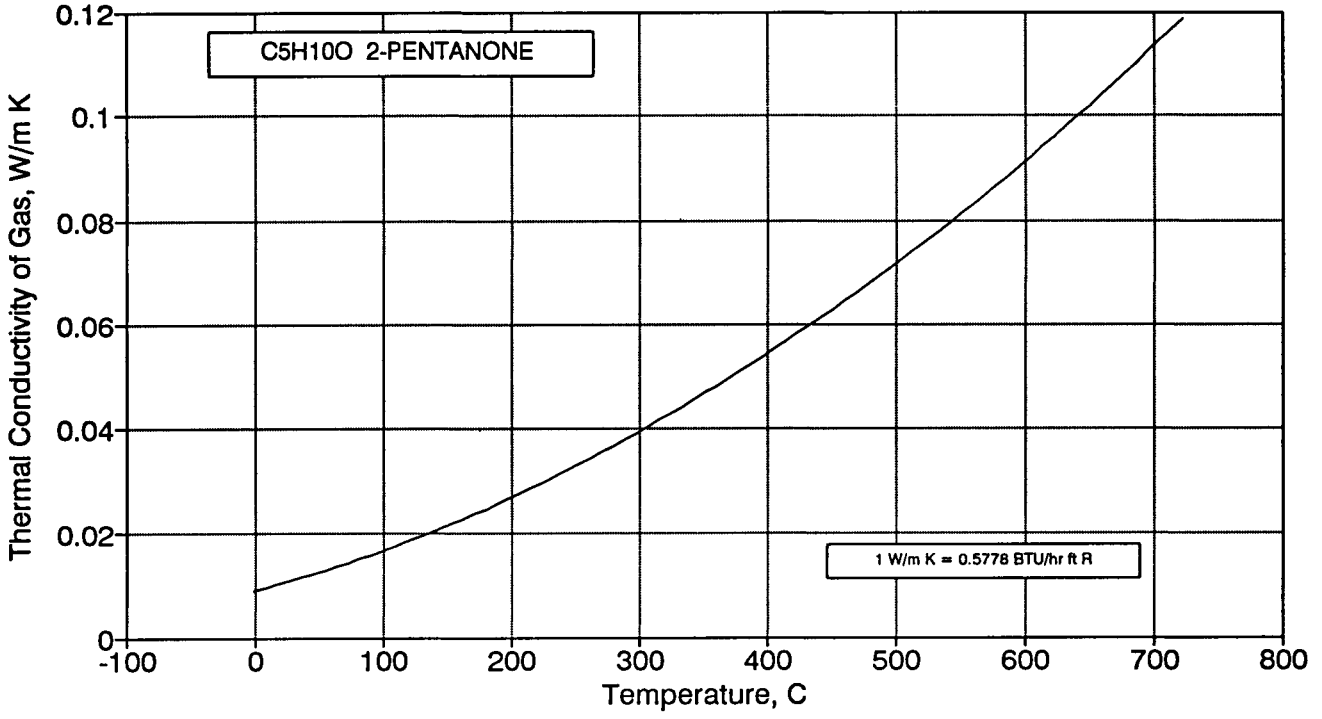

C5H10 trans-2-PENTENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200

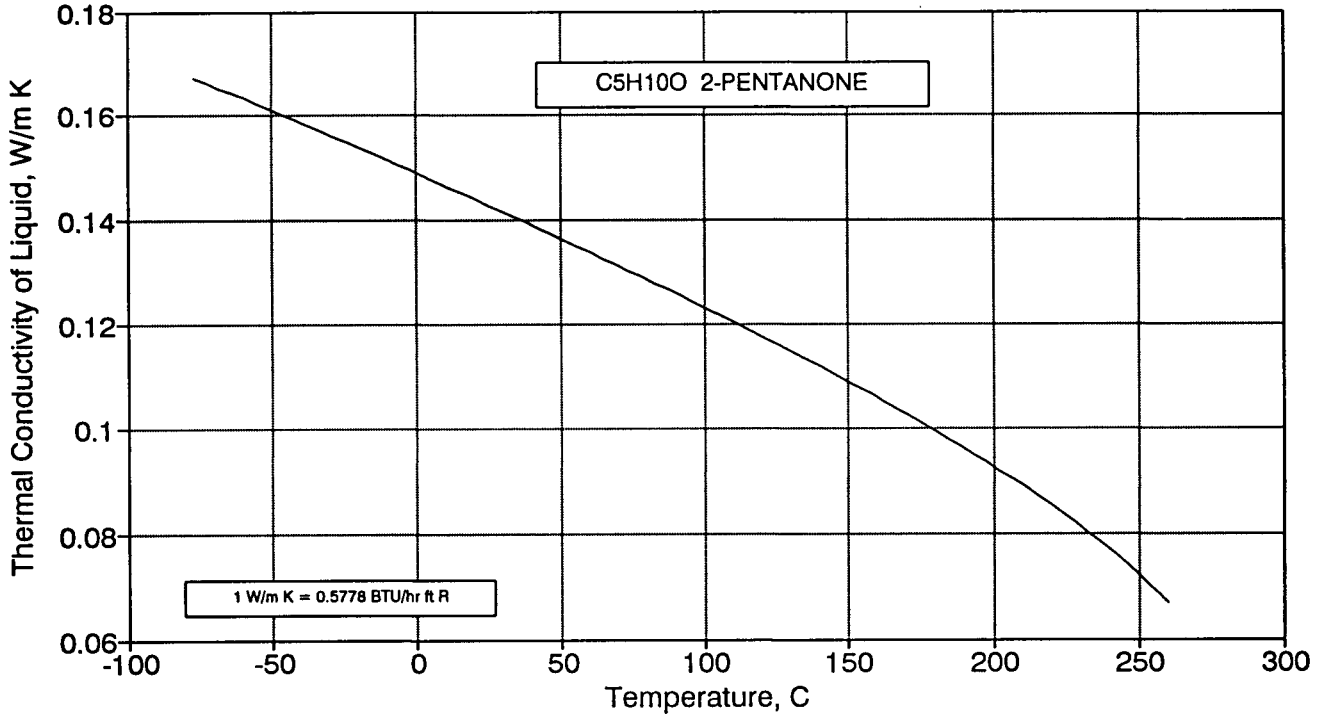

C5H10Cl2 1,5-DICHLOROPENTANE
Thermal Conductivity of Gas, W/m K
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

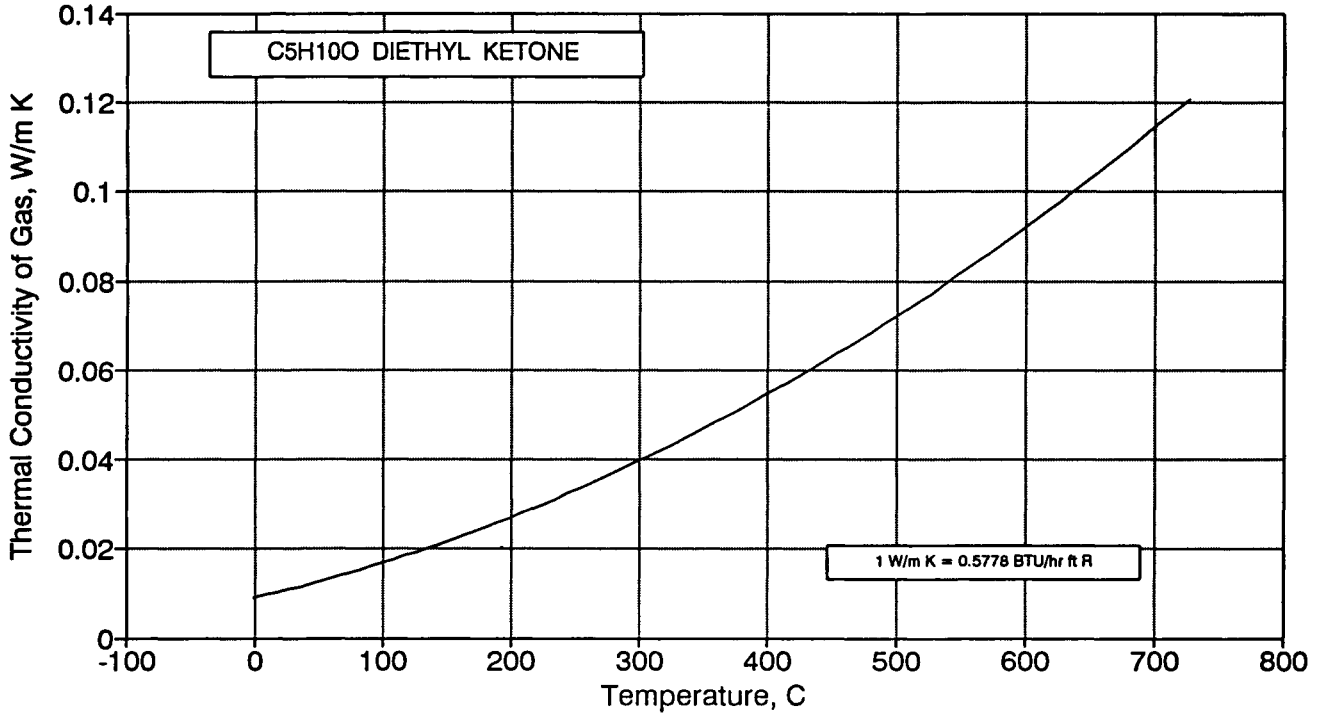

C5H10Cl2 1,5-DICHLOROPENTANE
Thermal Conductivity of Liquid, W/m K
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-100
-50
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

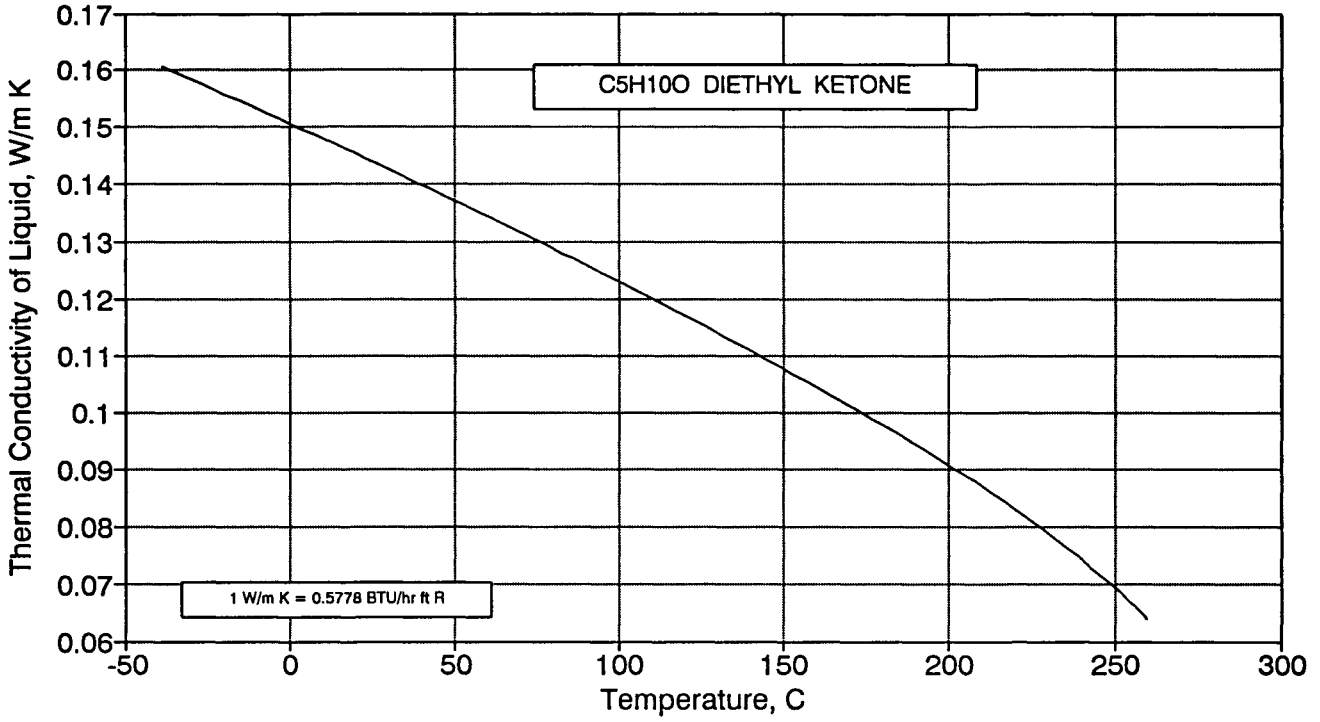

C5H10O METHYL ISOPROPYL KETONE
Thermal Conductivity of Gas, W/m K
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

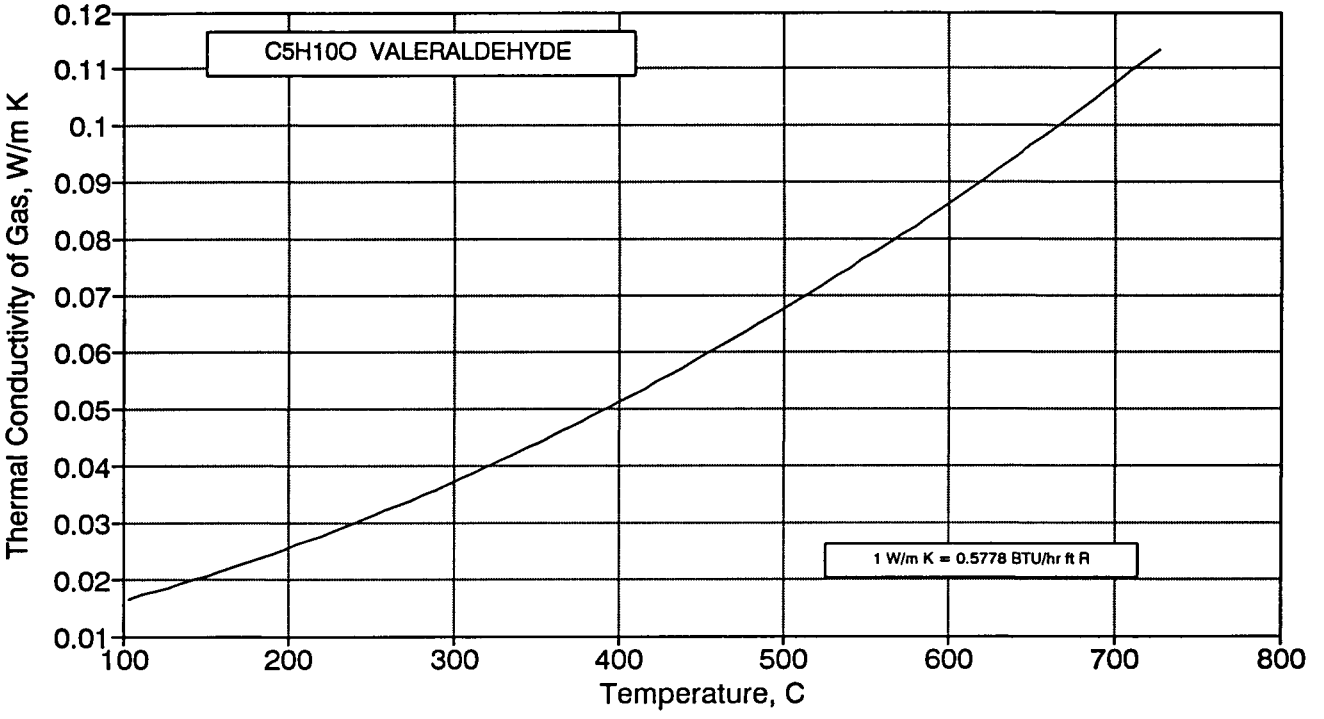

C5H10O METHYL ISOPROPYL KETONE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

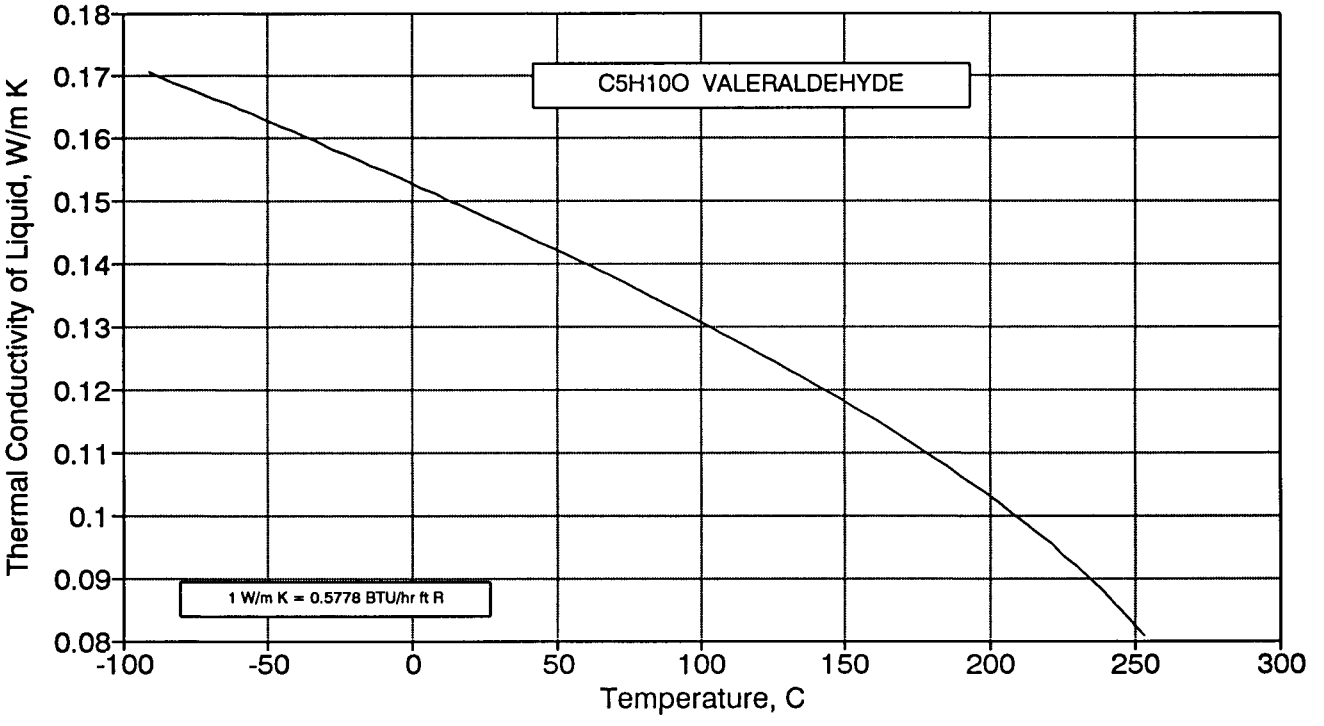

C5H10O 2-PENTANONE
Thermal Conductivity of Gas, W/m K
0.12
0.1
0.08
0.06
0.04
0.02
0
-100
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

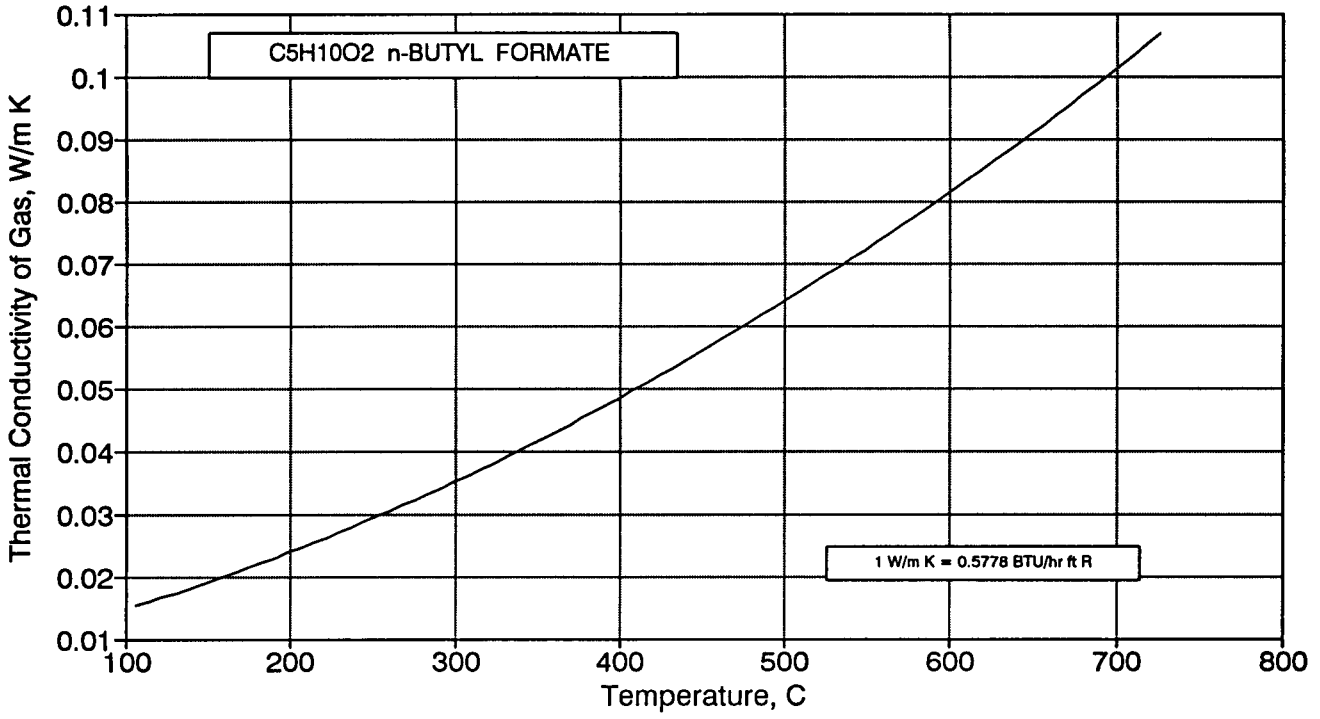

C5H10O 2-PENTANONE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

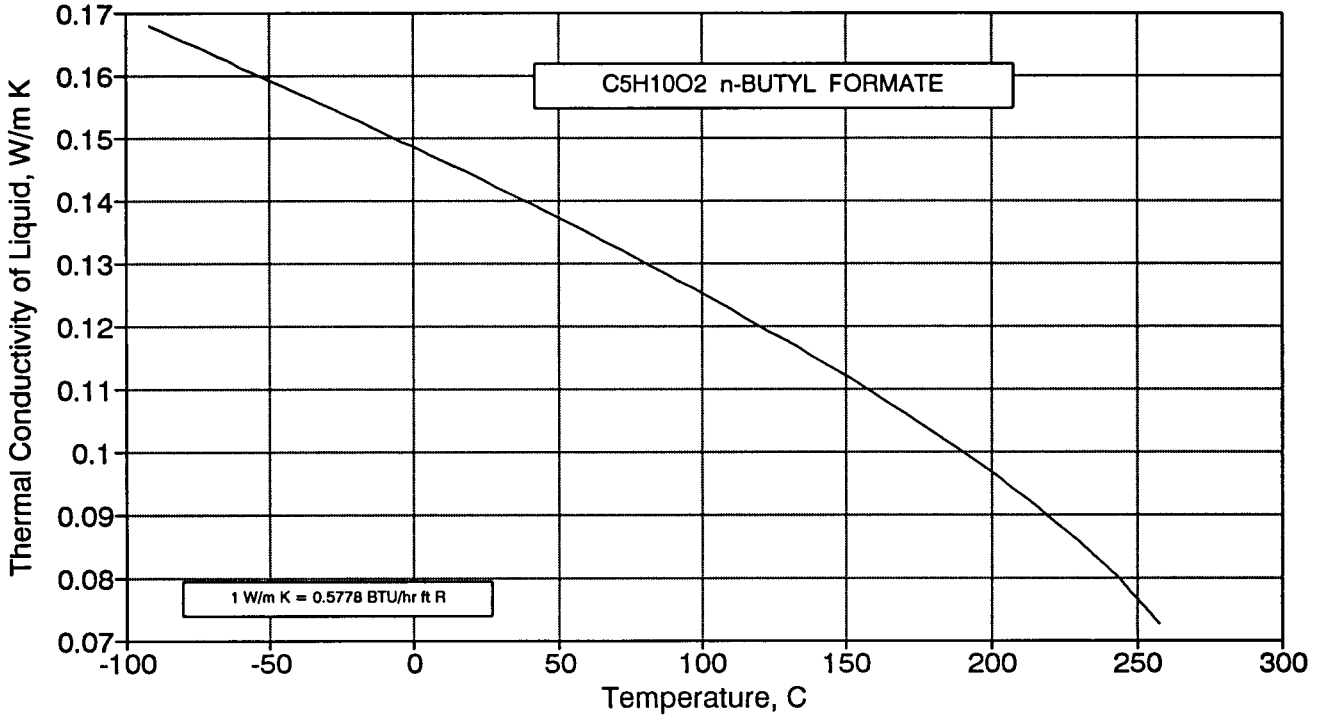

C5H10O DIETHYL KETONE
Thermal Conductivity of Gas, W/m K
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
-100
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

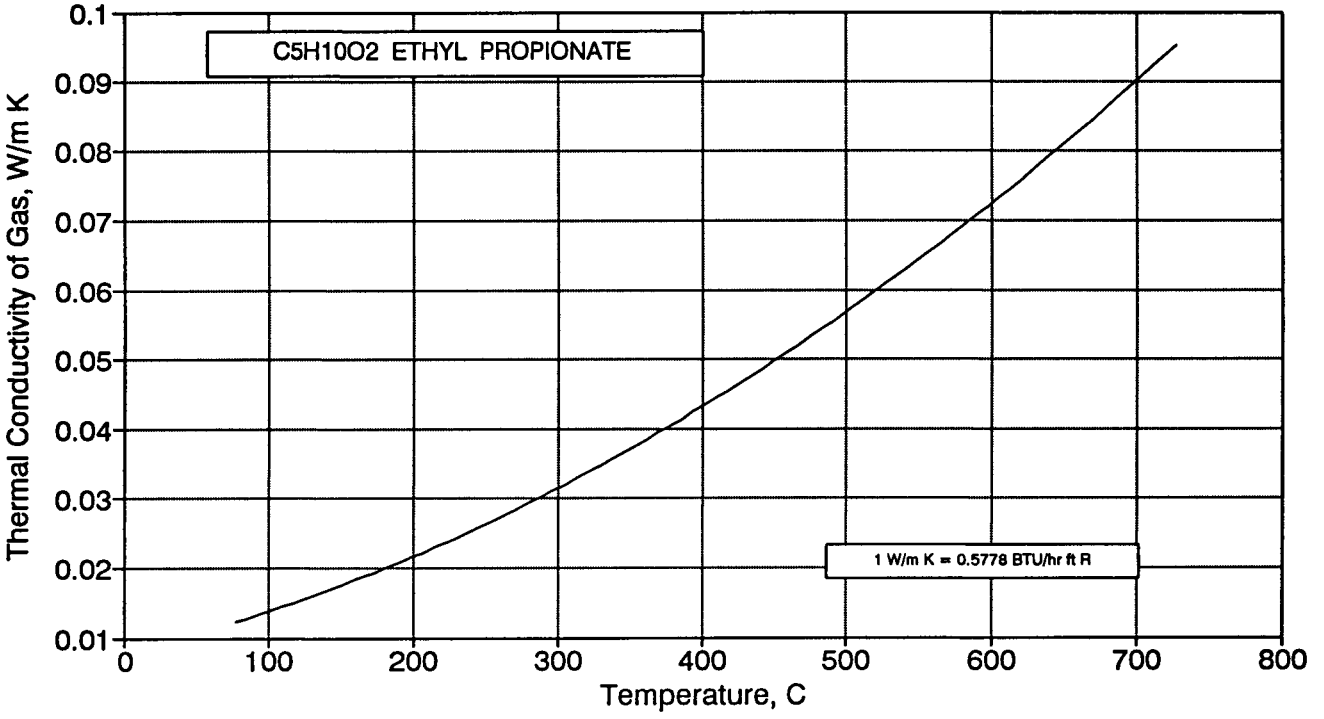

C5H10O DIETHYL KETONE
Thermal Conductivity of Liquid, W/m K
0.17
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

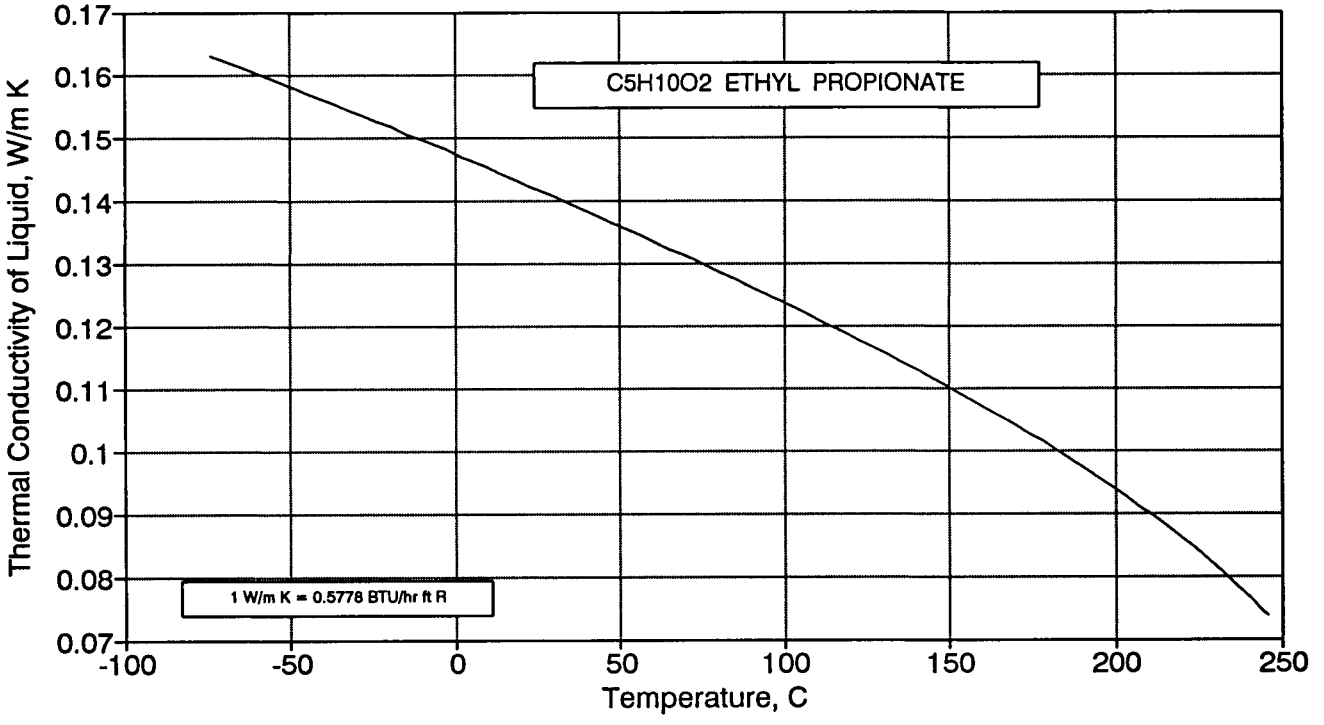

C5H10O VALERALDEHYDE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800

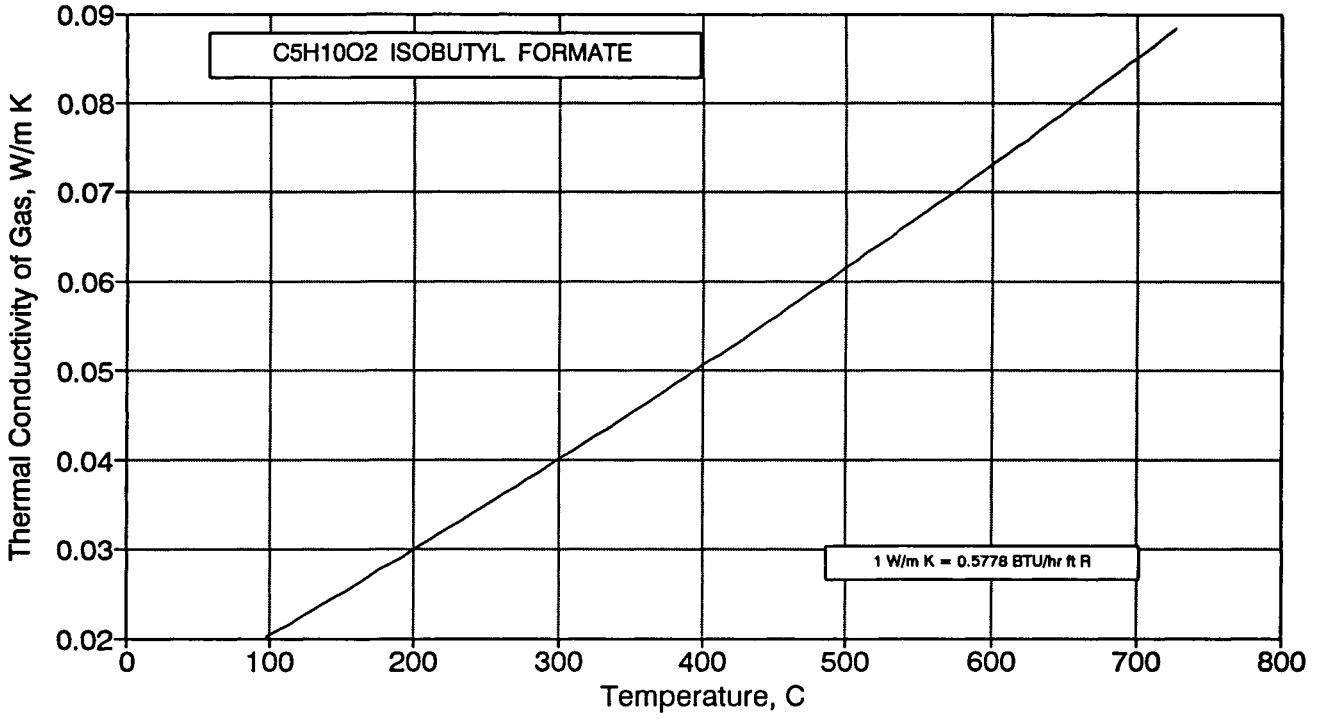

C5H10O VALERALDEHYDE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.18
0.17
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
-100
-50
0
50
100
150
200
250
300

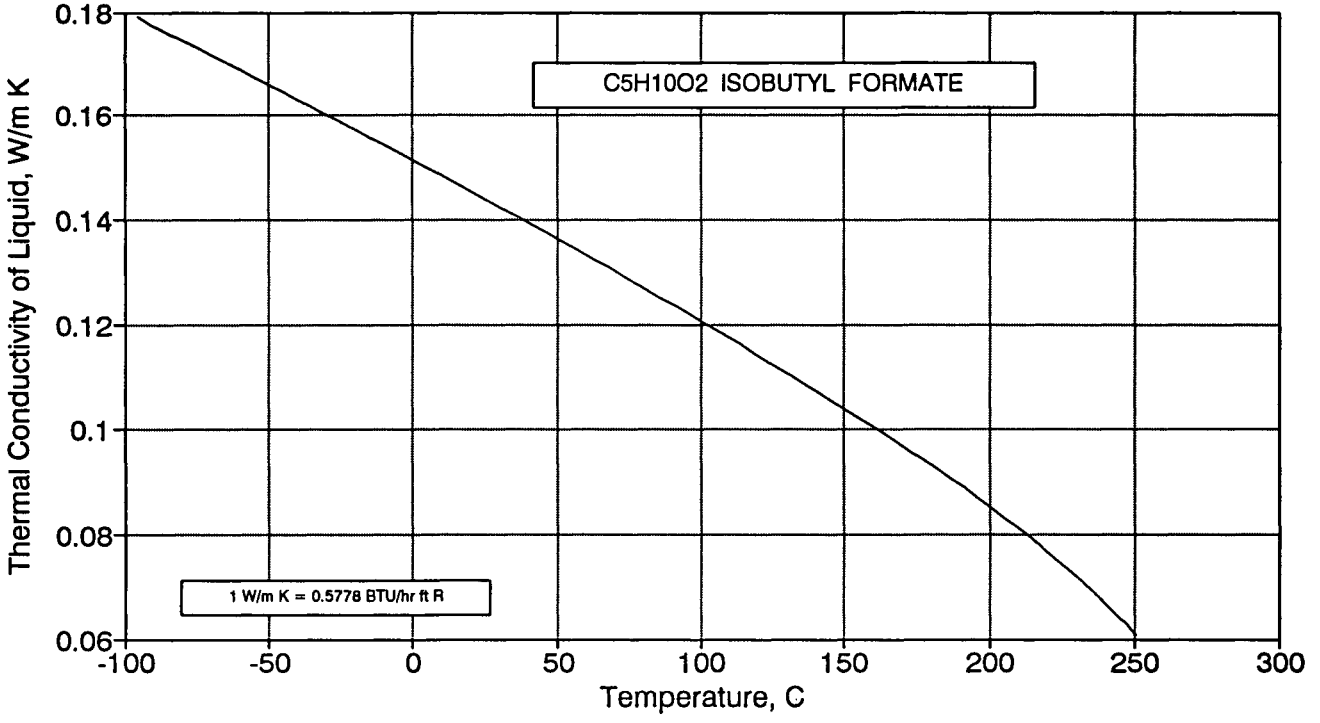

C5H10O2 n-BUTYL FORMATE
Thermal Conductivity of Gas, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

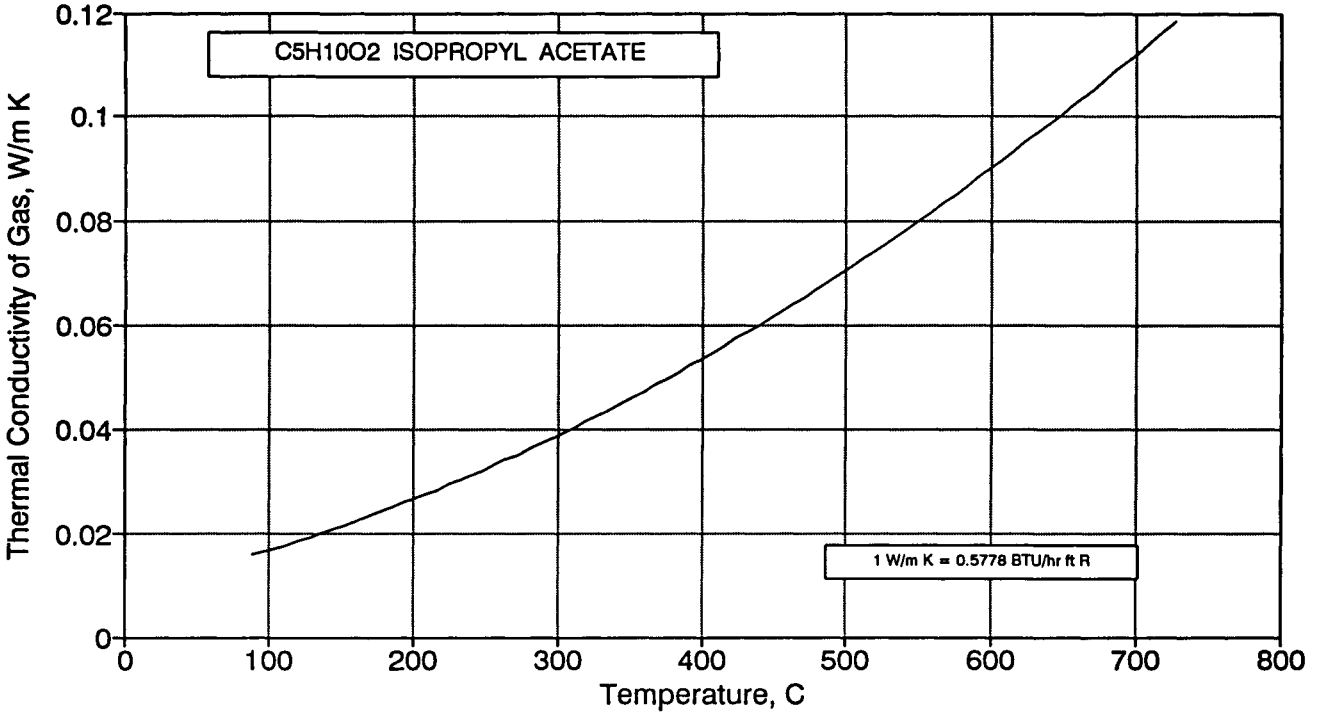

C5H10O2 n-BUTYL FORMATE
Thermal Conductivity of Liquid, W/m K
0.17
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

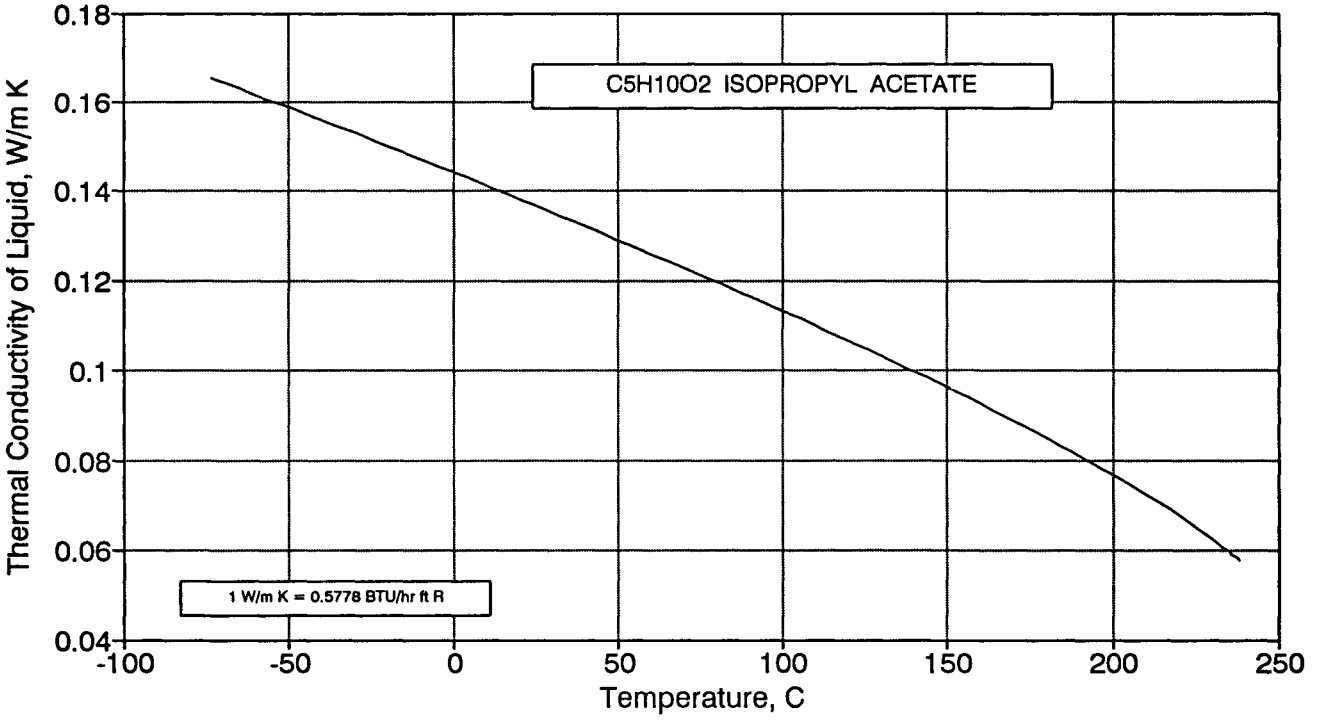

C5H10O2 ETHYL PROPIONATE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C

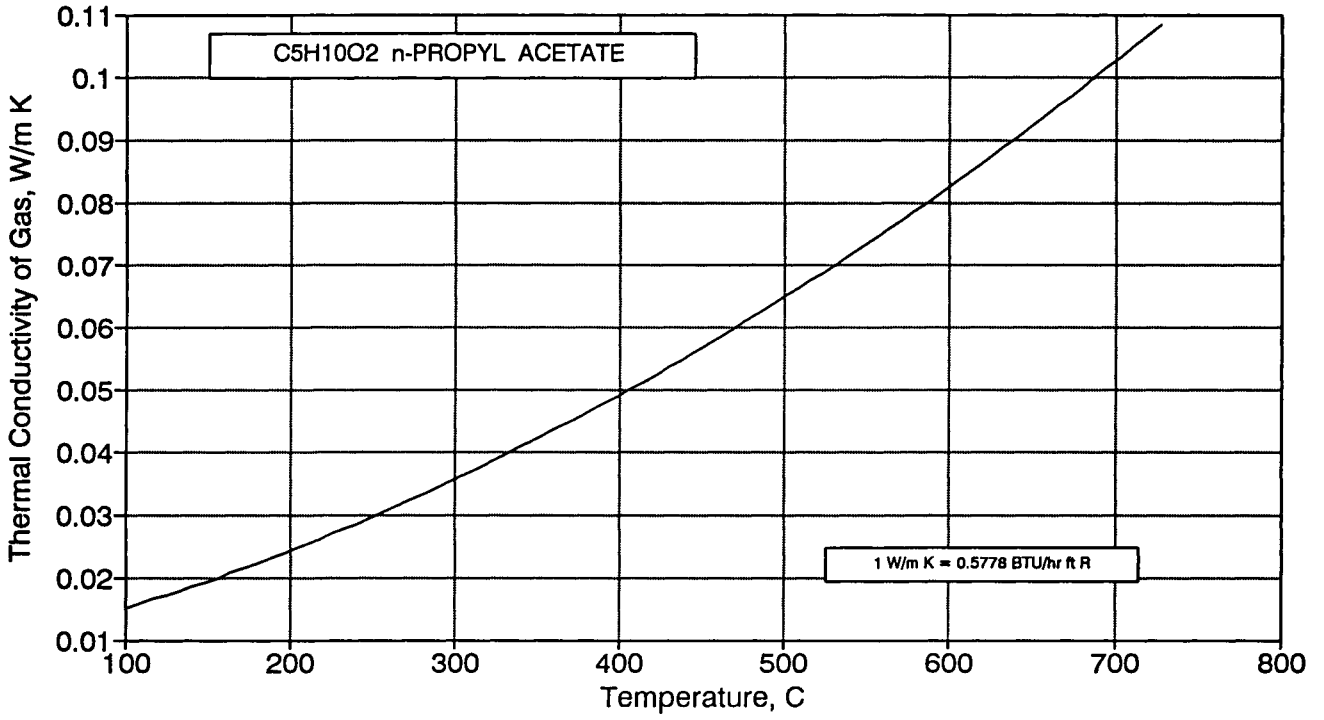

C5H10O2 ETHYL PROPIONATE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.17
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
-100
-50
0
50
100
150
200
250
Temperature, C

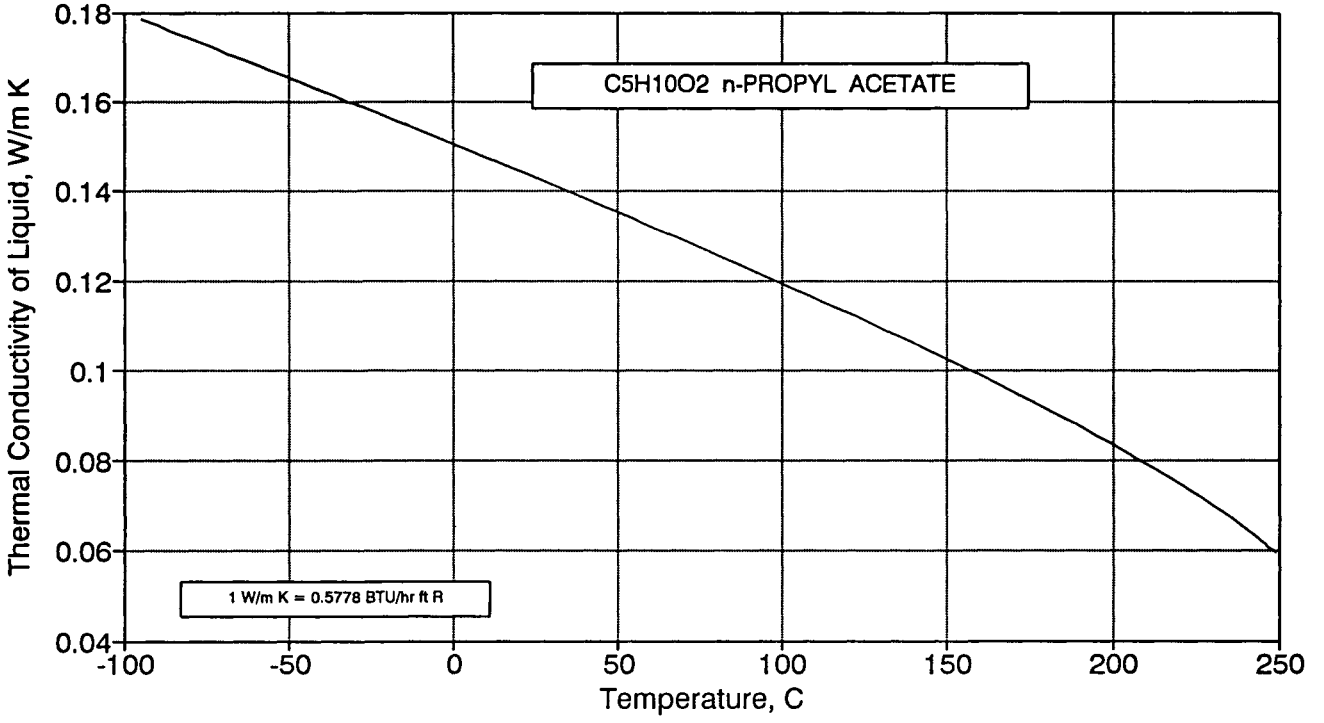

C5H10O2 ISOBUTYL FORMATE
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

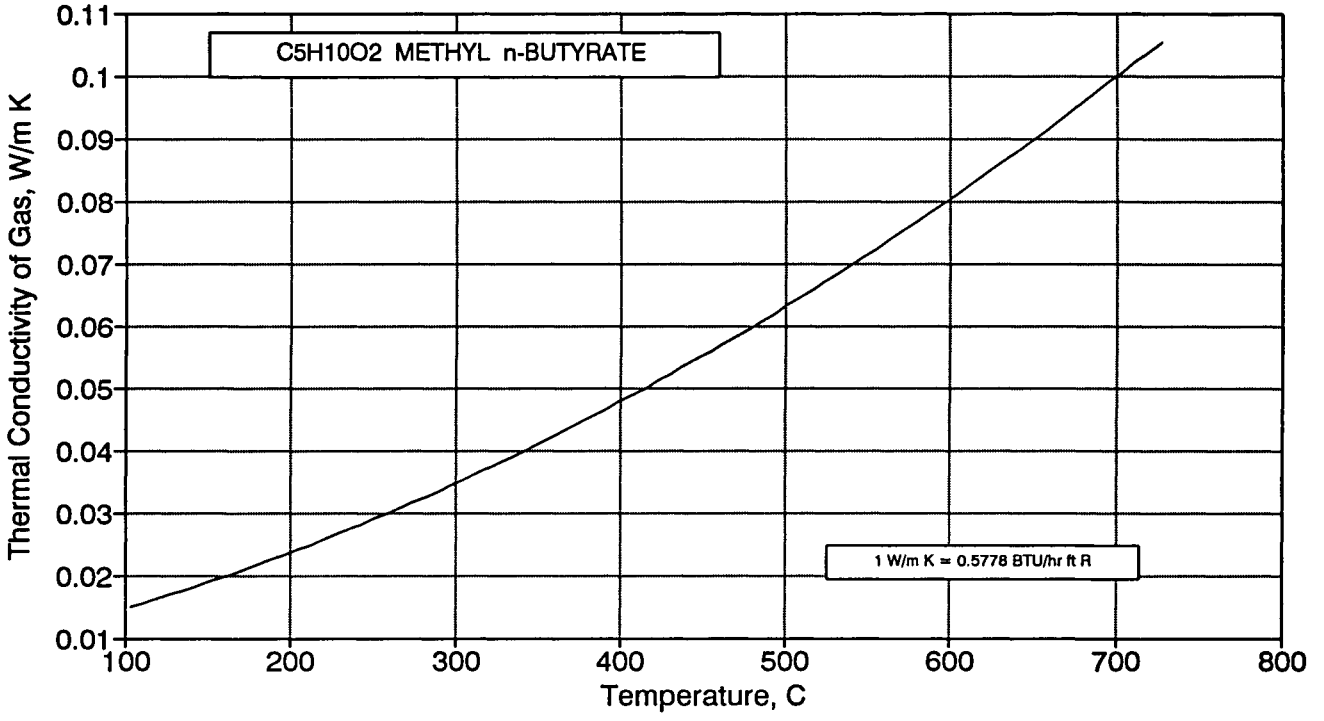

C5H10O2 ISOBUTYL FORMATE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

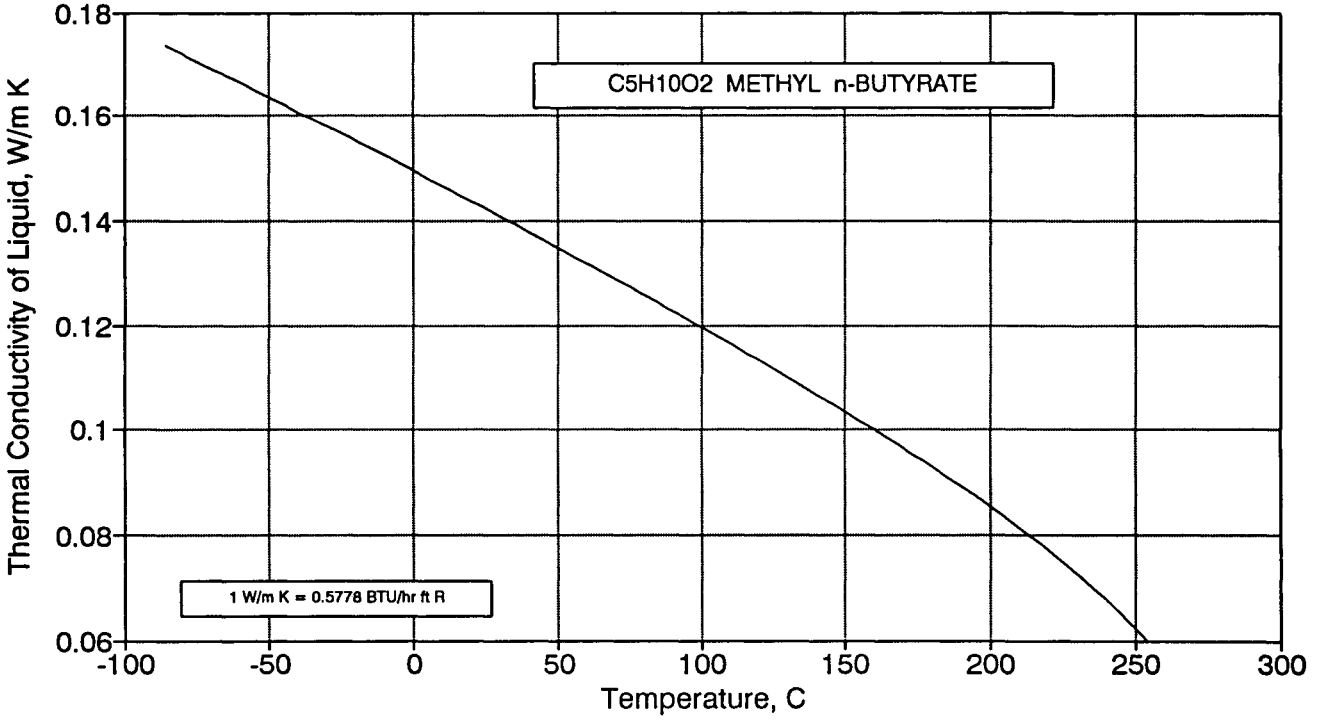

C5H10O2 ISOPROPYL ACETATE
Thermal Conductivity of Gas, W/m K
0.12
0.1
0.08
0.06
0.04
0.02
0
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

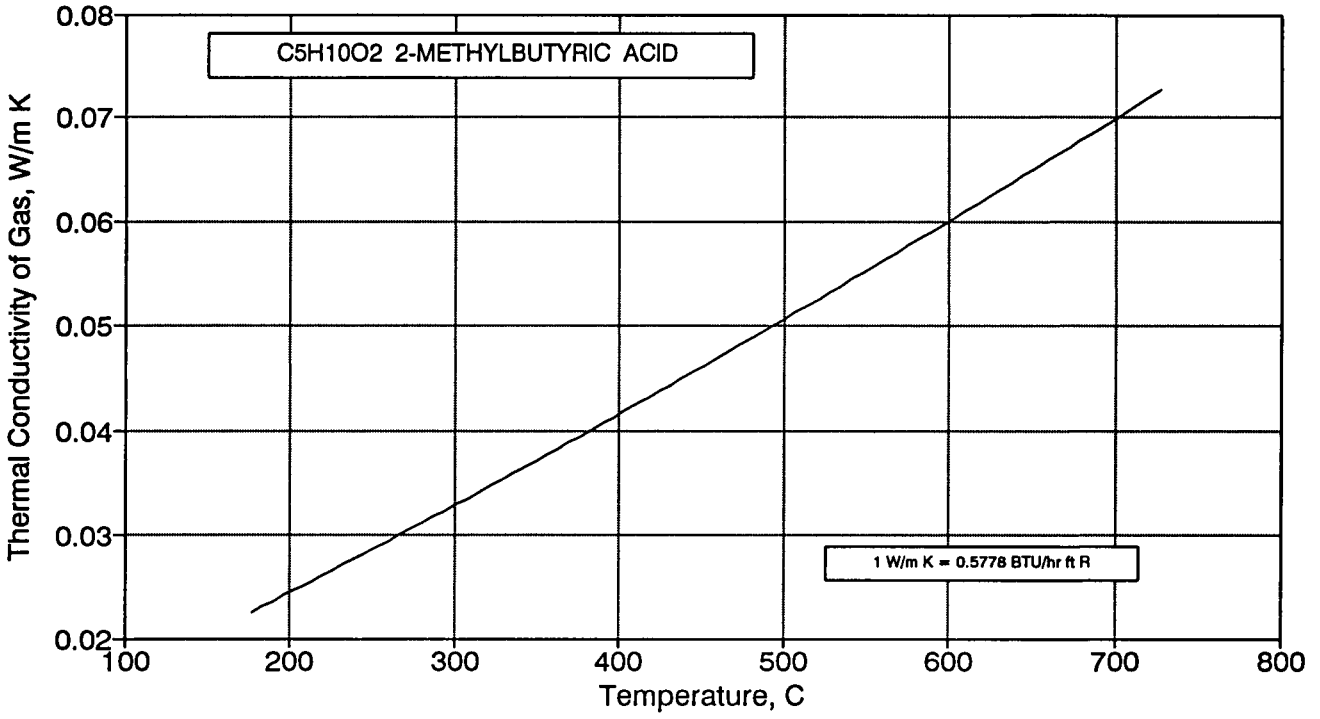

C5H10O2 ISOPROPYL ACETATE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

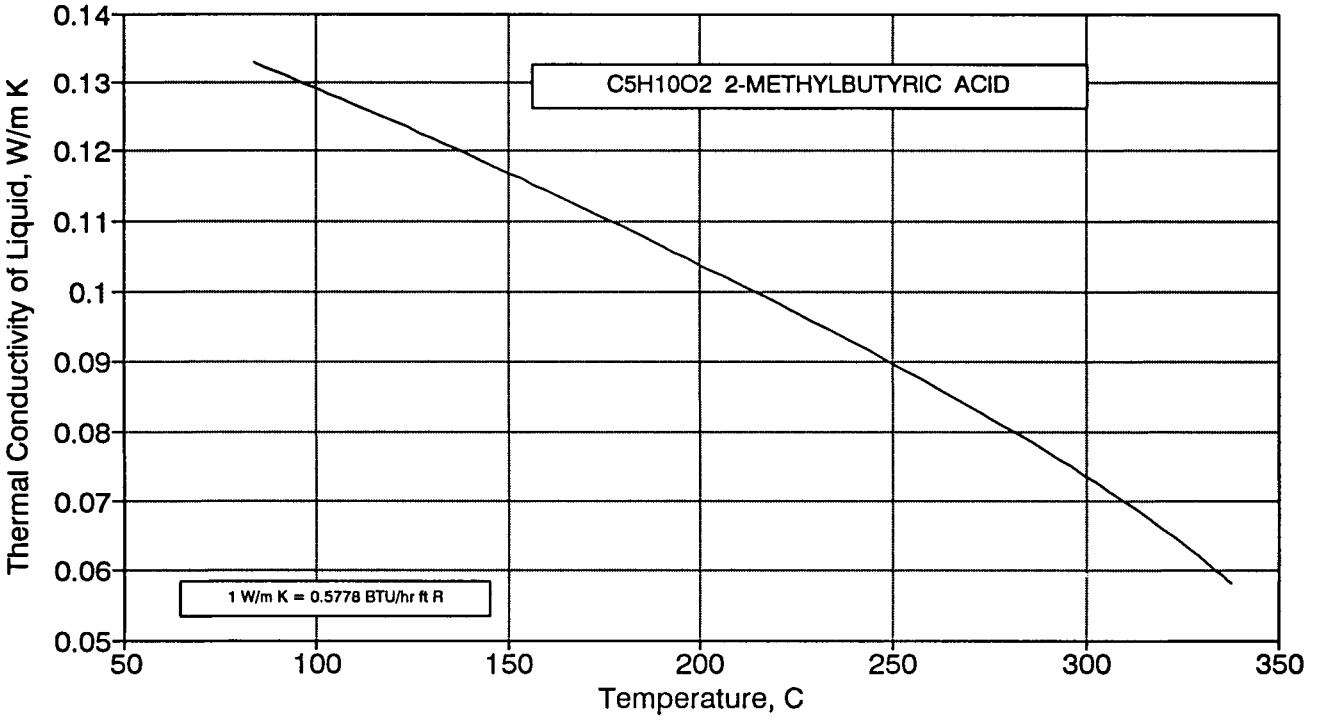

C5H10O2 n-PROPYL ACETATE
Thermal Conductivity of Gas, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

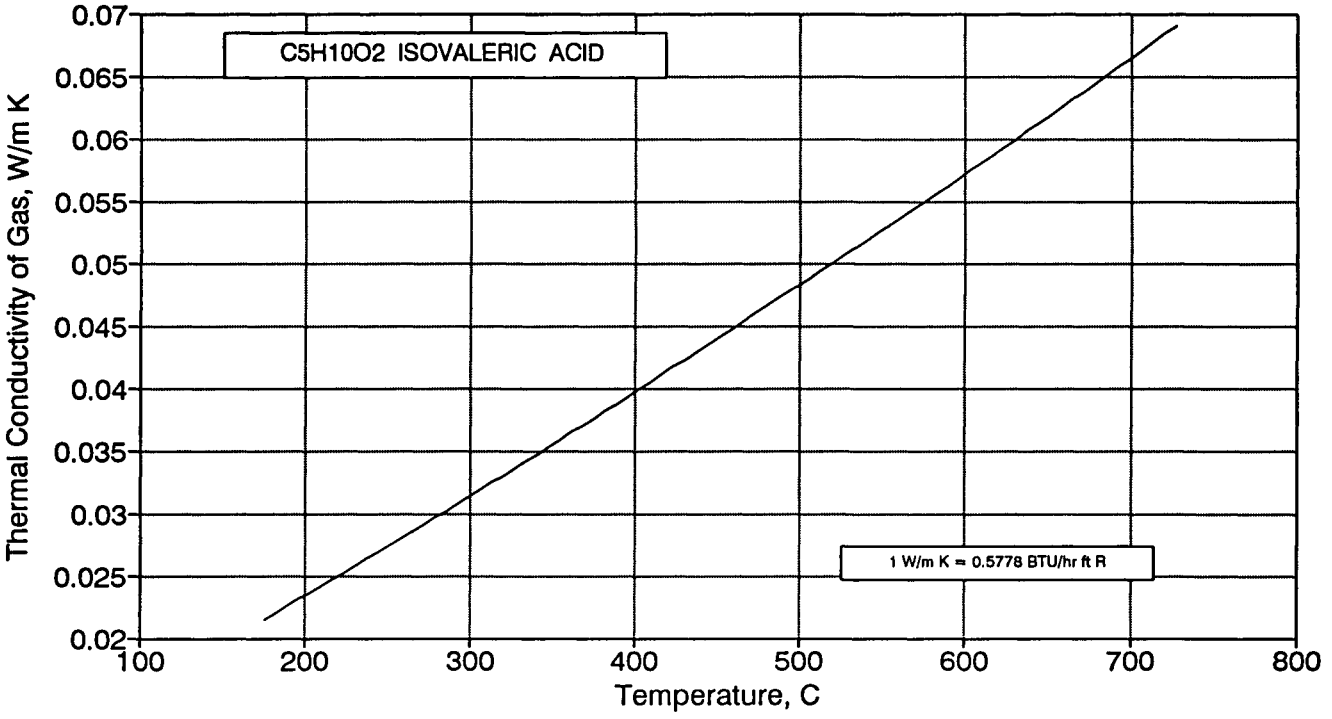

C5H10O2 n-PROPYL ACETATE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

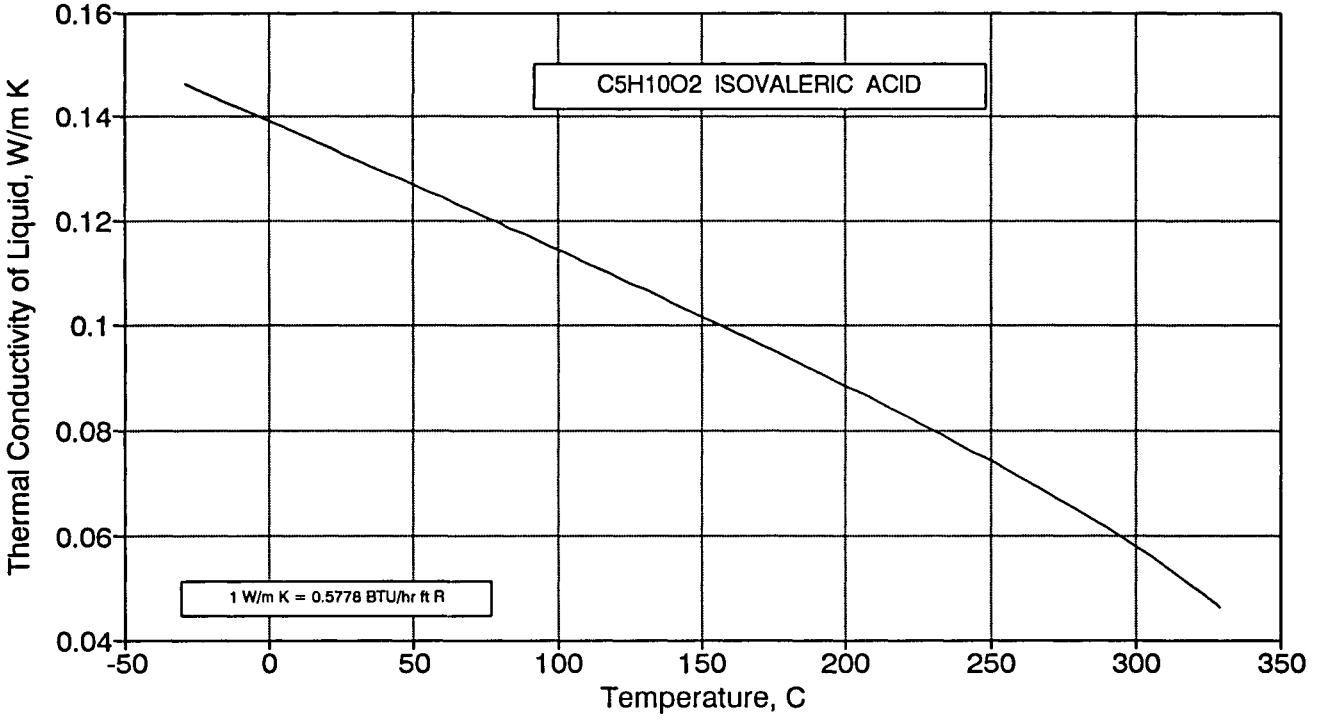

C5H10O2 METHYL n-BUTYRATE
Thermal Conductivity of Gas, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

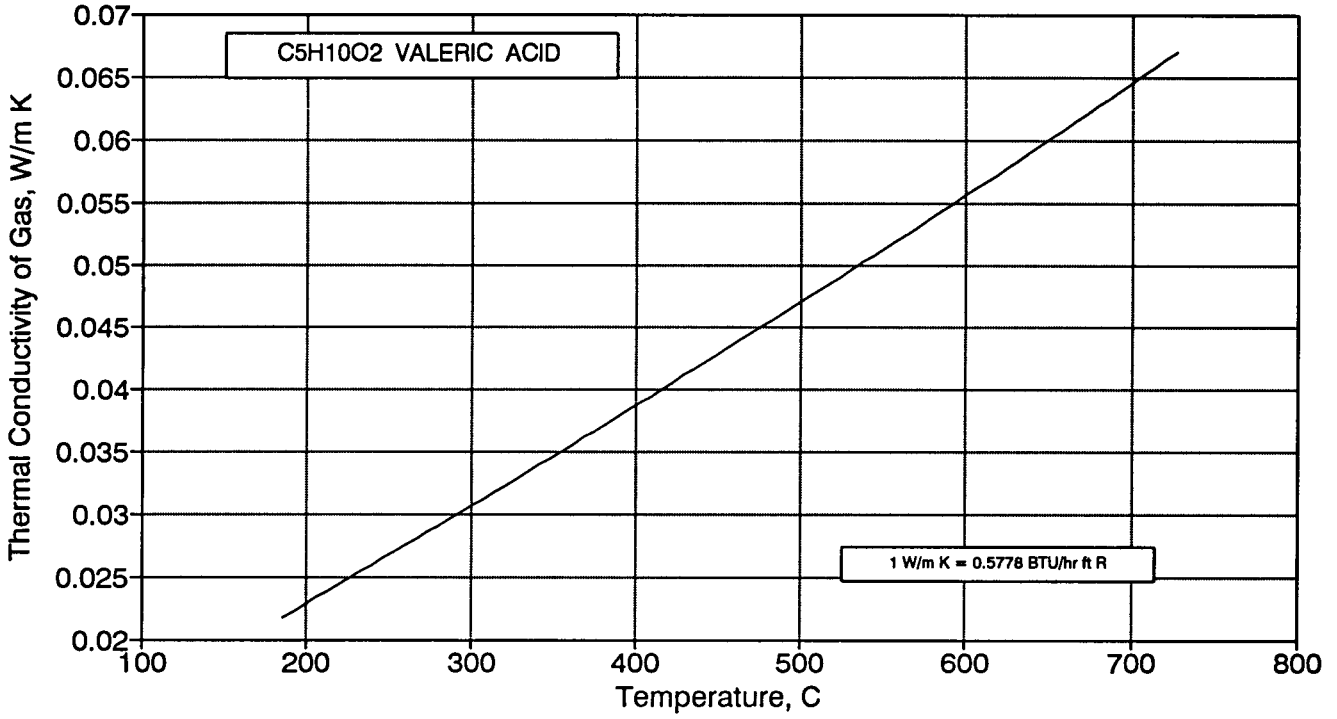

C5H10O2 METHYL n-BUTYRATE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

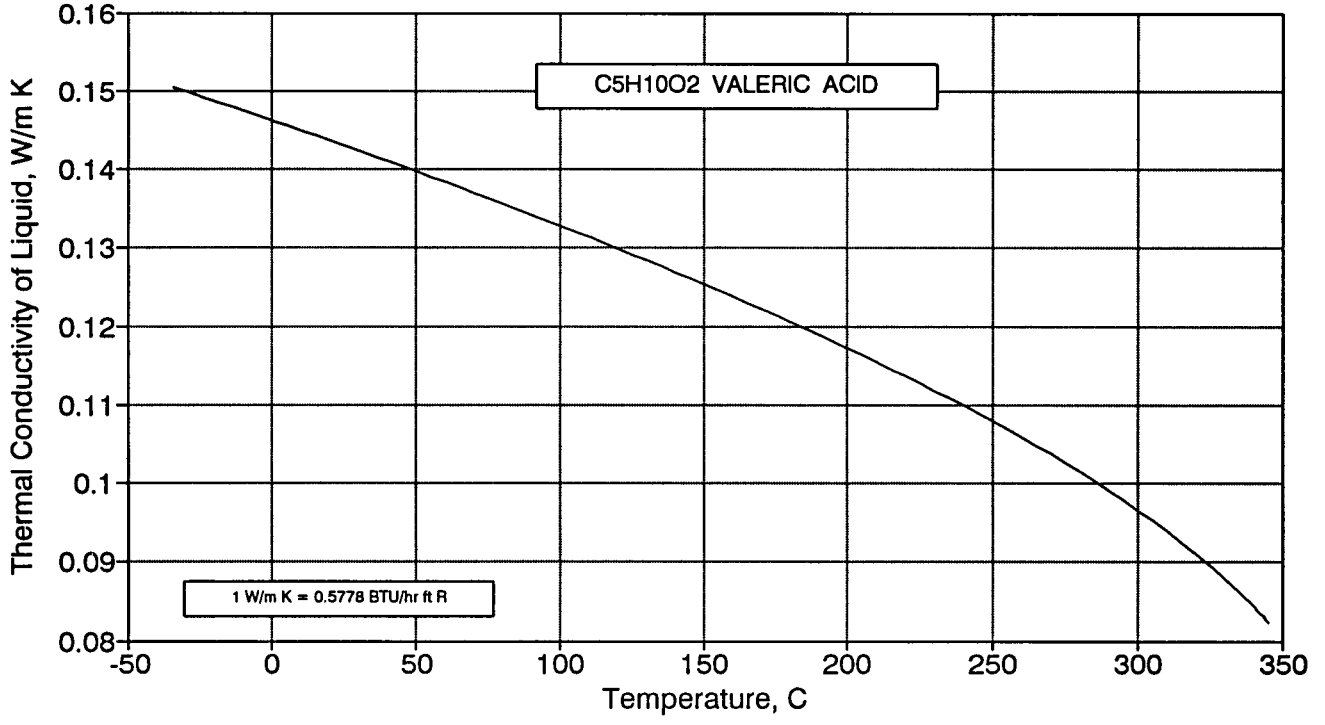

C5H10O2 2-METHYLBUTYRIC ACID
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

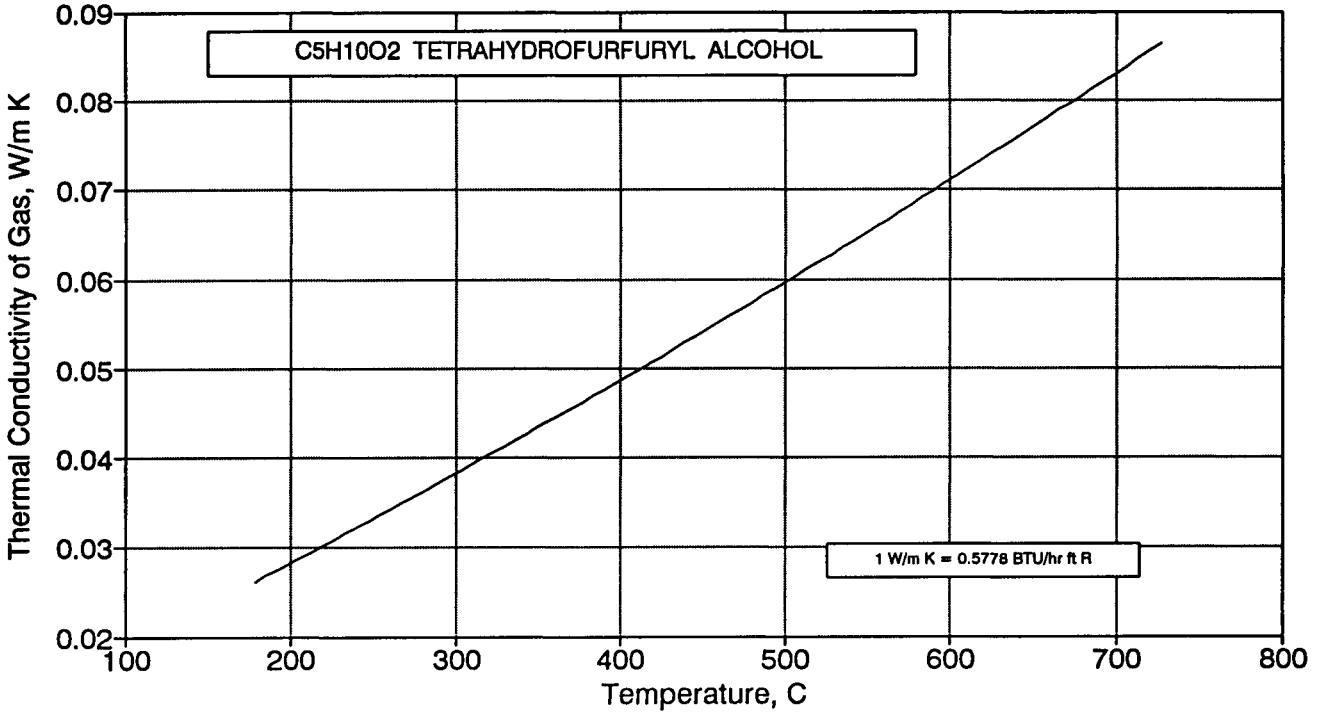

C5H10O2 2-METHYLBUTYRIC ACID
Thermal Conductivity of Liquid, W/m K
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

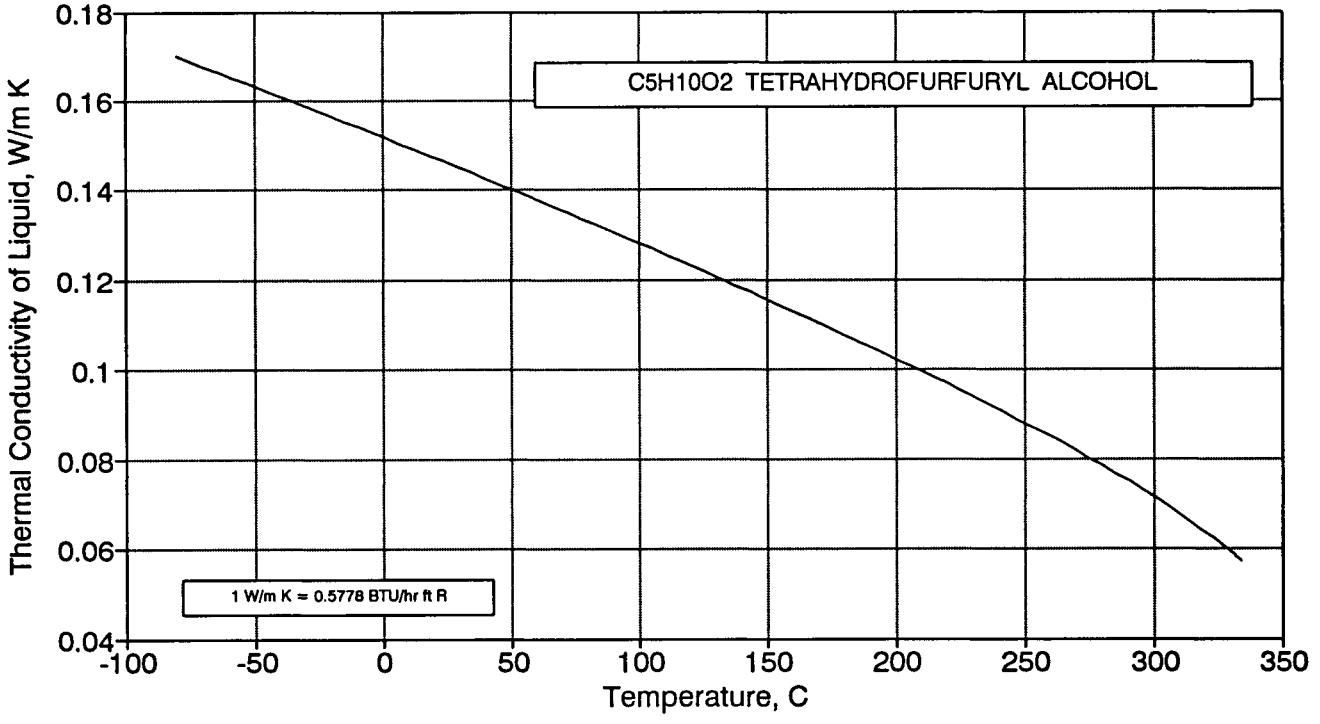

C5H10O2 ISOVALERIC ACID
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
100
200
300
400
500
600
700
800
Temperature, C

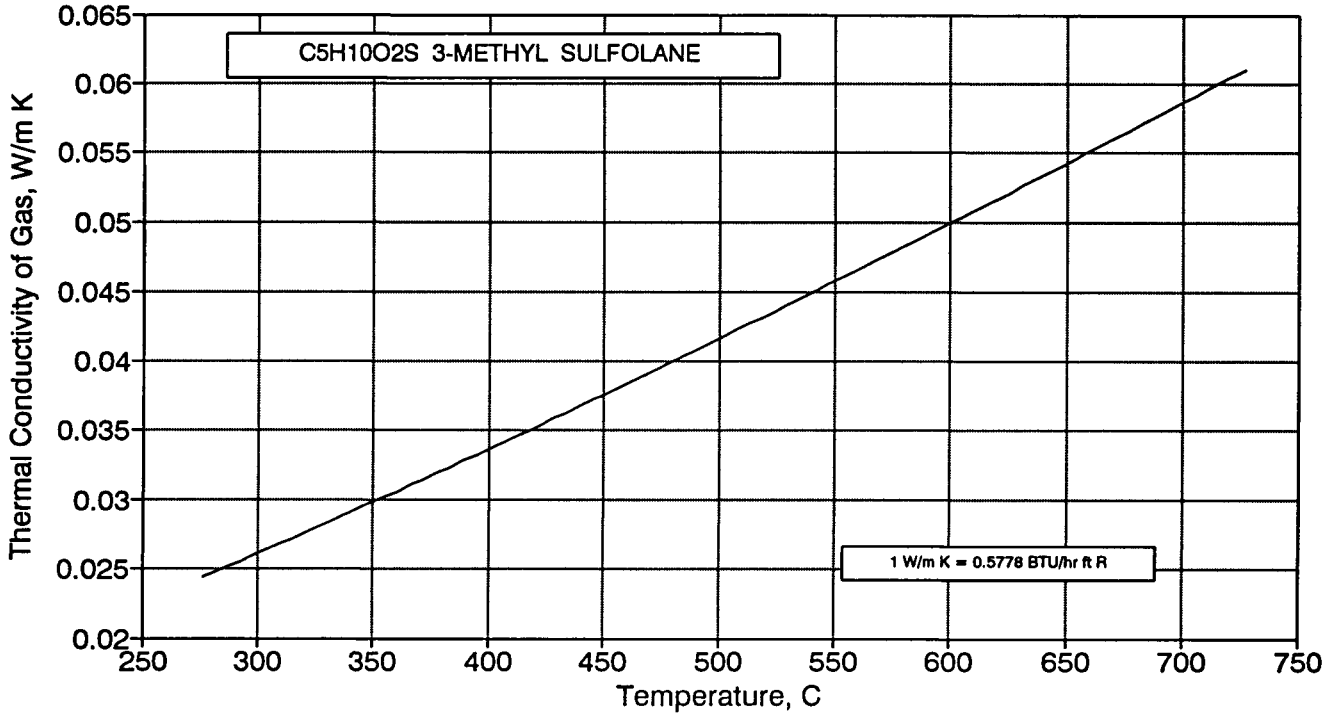

C5H10O2 ISOVALERIC ACID
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-50
0
50
100
150
200
250
300
350
Temperature, C

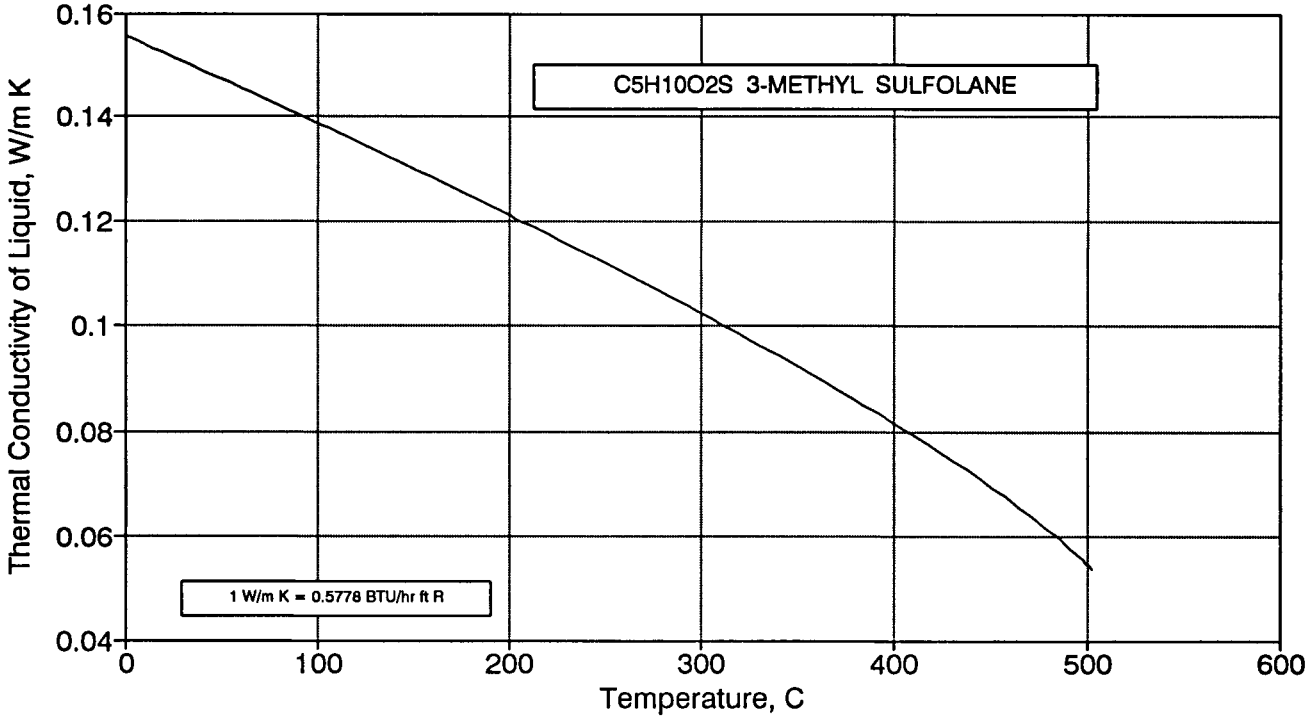

C5H10O2 VALERIC ACID
Thermal Conductivity of Gas, W/m K
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C5H10O2 VALERIC ACID
Thermal Conductivity of Liquid, W/m K
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C5H10O2 TETRAHYDROFURFURYL ALCOHOL
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C5H10O2 TETRAHYDROFURFURYL ALCOHOL
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C5H10O2S 3-METHYL SULFOLANE
Thermal Conductivity of Gas, W/m K
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
250
300
350
400
450
500
550
600
650
700
750
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C5H10O2S 3-METHYL SULFOLANE
Thermal Conductivity of Liquid, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0
100
200
300
400
500
600
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

C5H10O3 DIETHYL CARBONATE

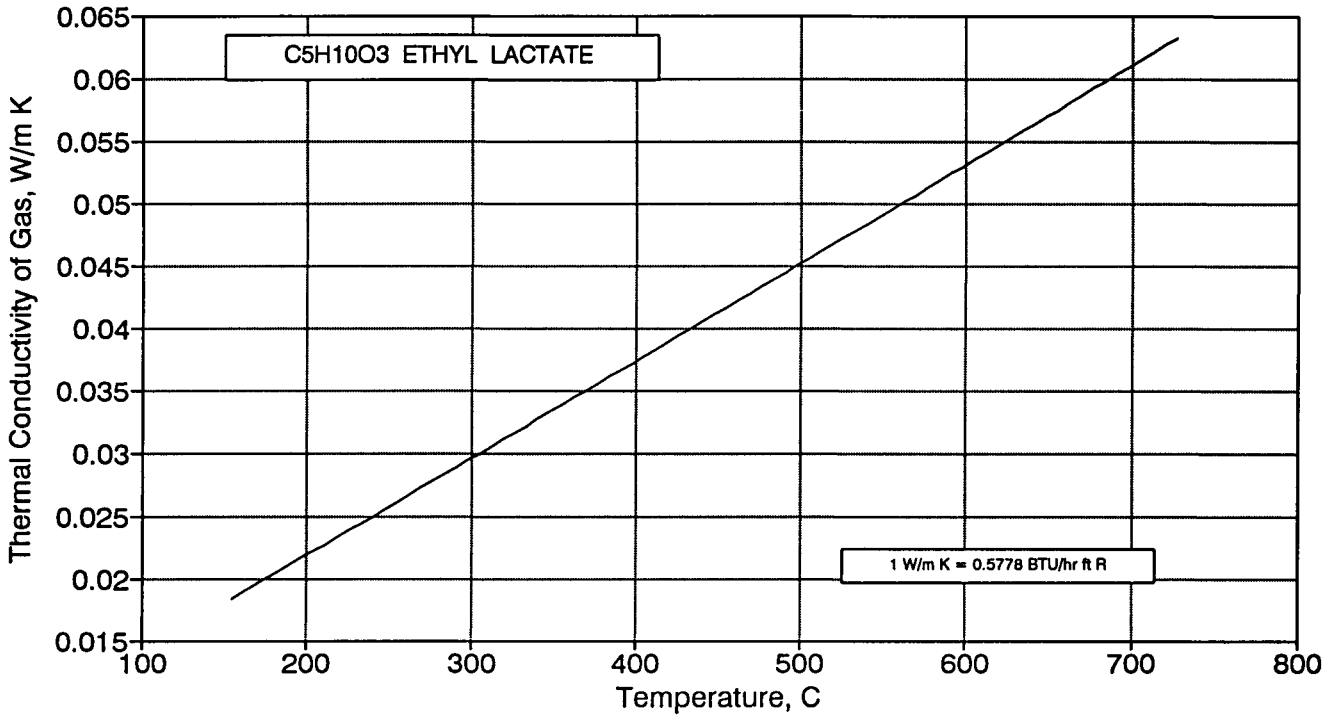
Gas thermal conductivity data are not available .

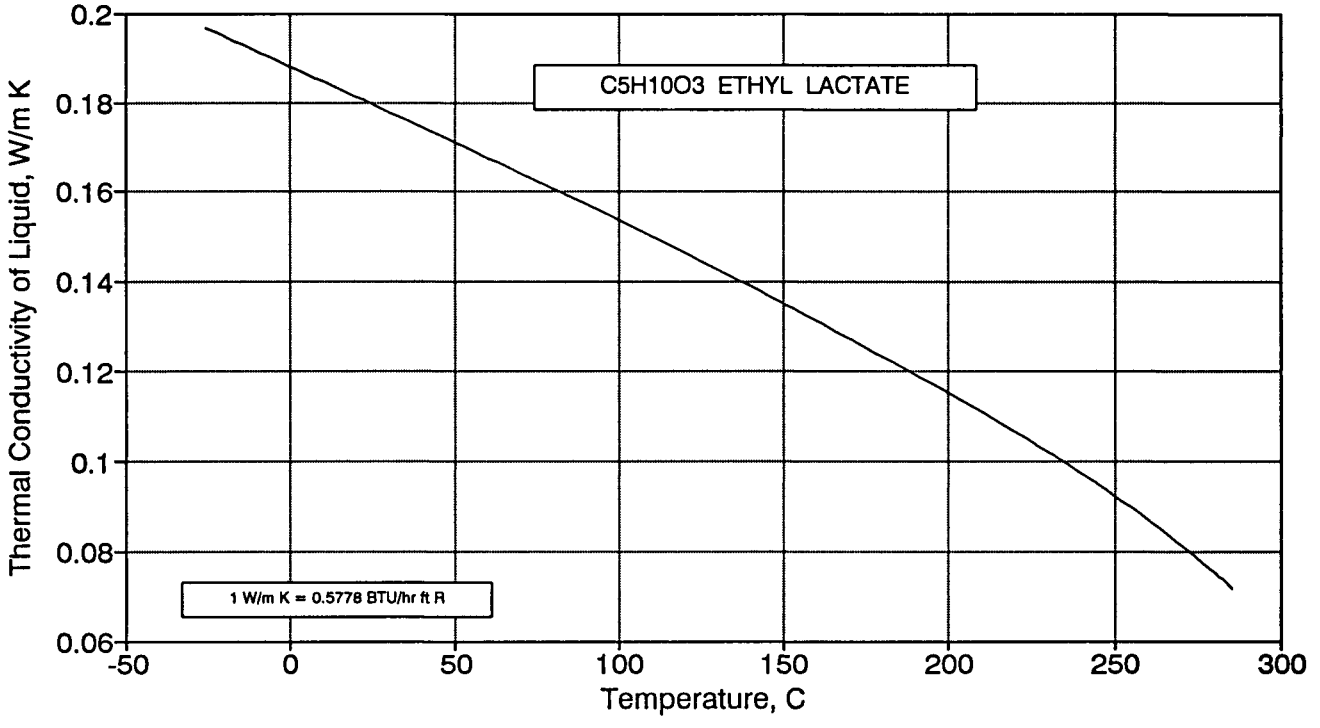
TF , K = 230.15

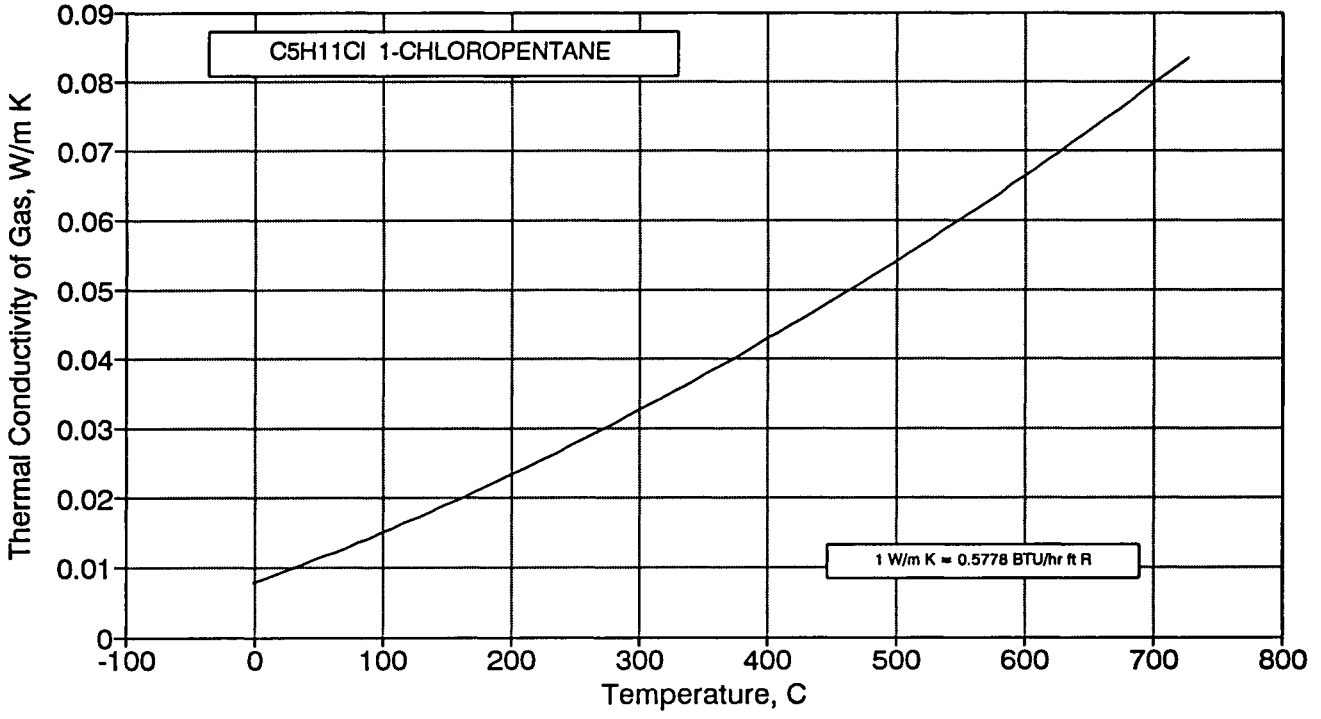
TB , K = 399.95

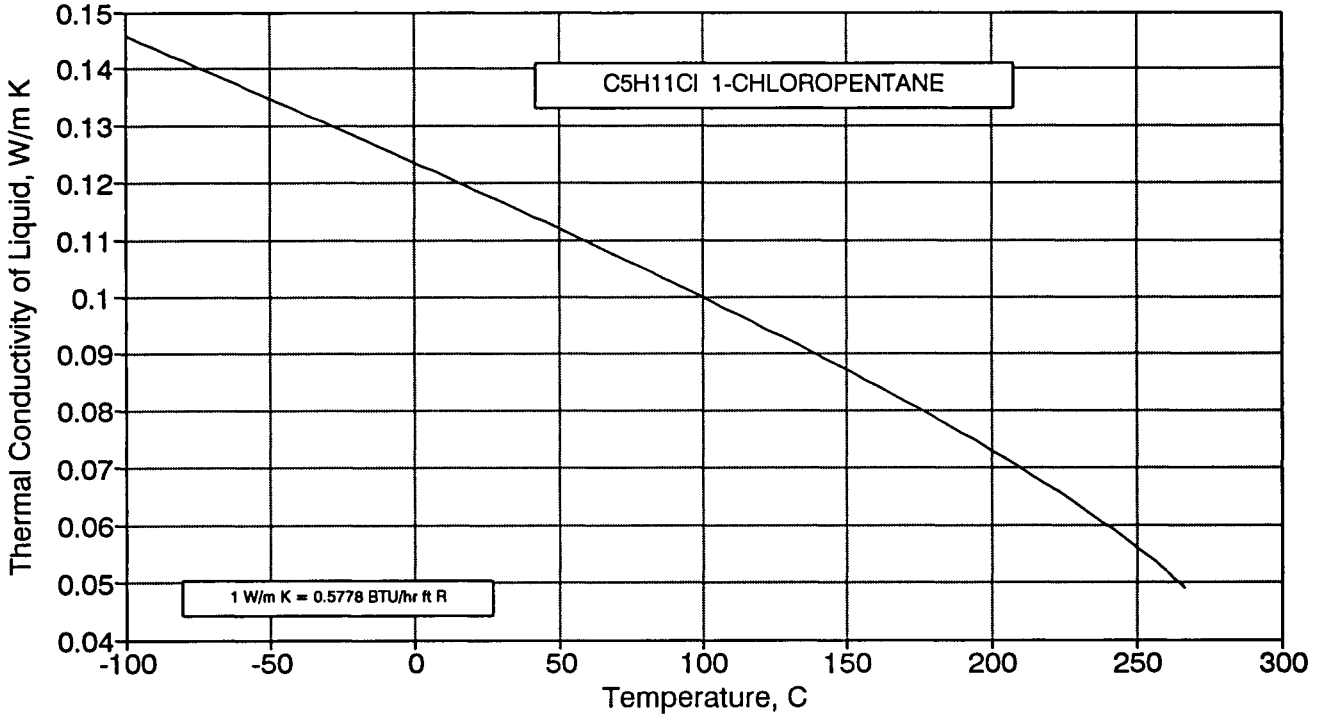
C5H10O3 DIETHYL CARBONATE

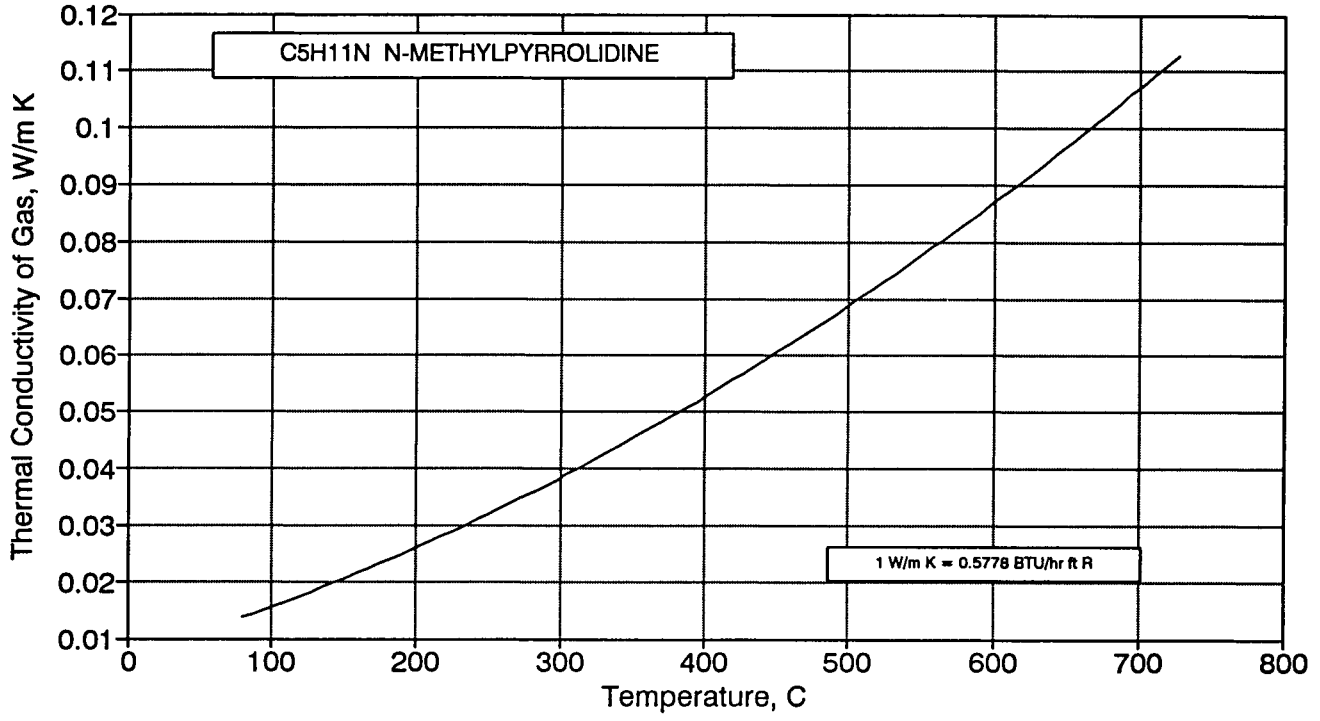
Liquid thermal conductivity data are not available .

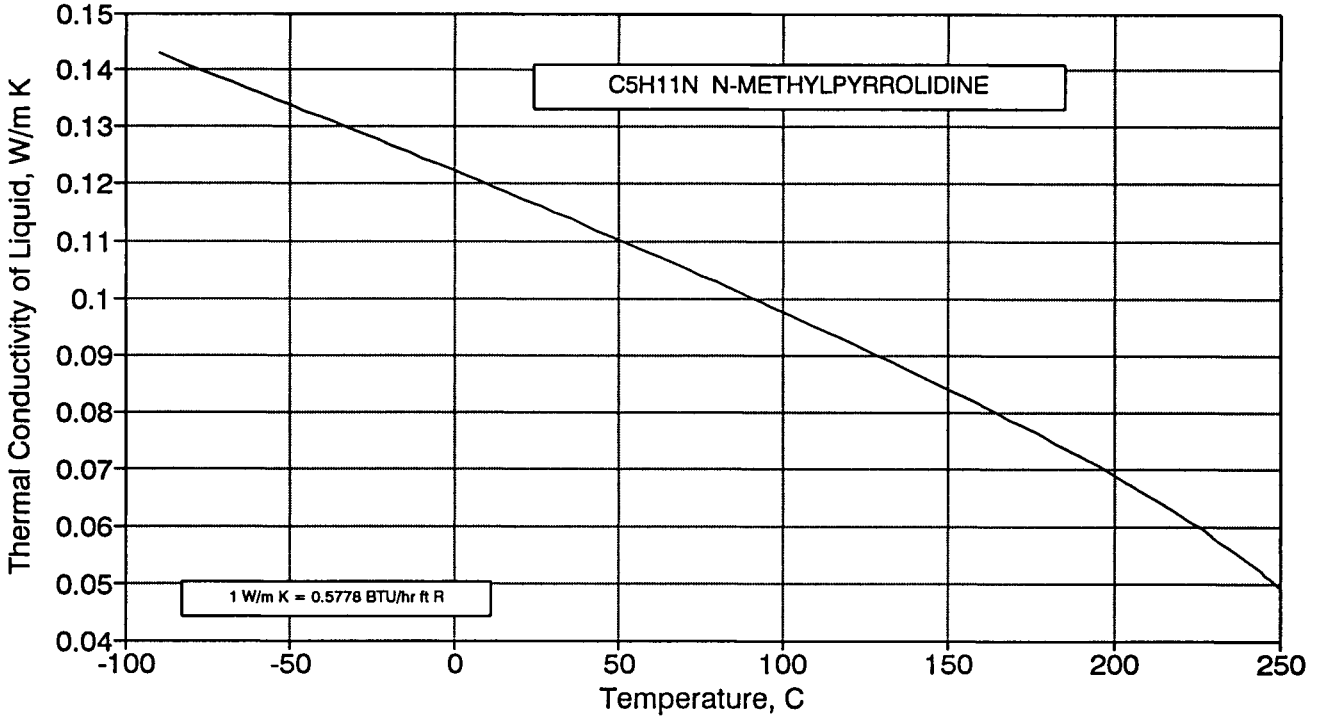

C5H10O3 ETHYL LACTATE
Thermal Conductivity of Gas, W/m K
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

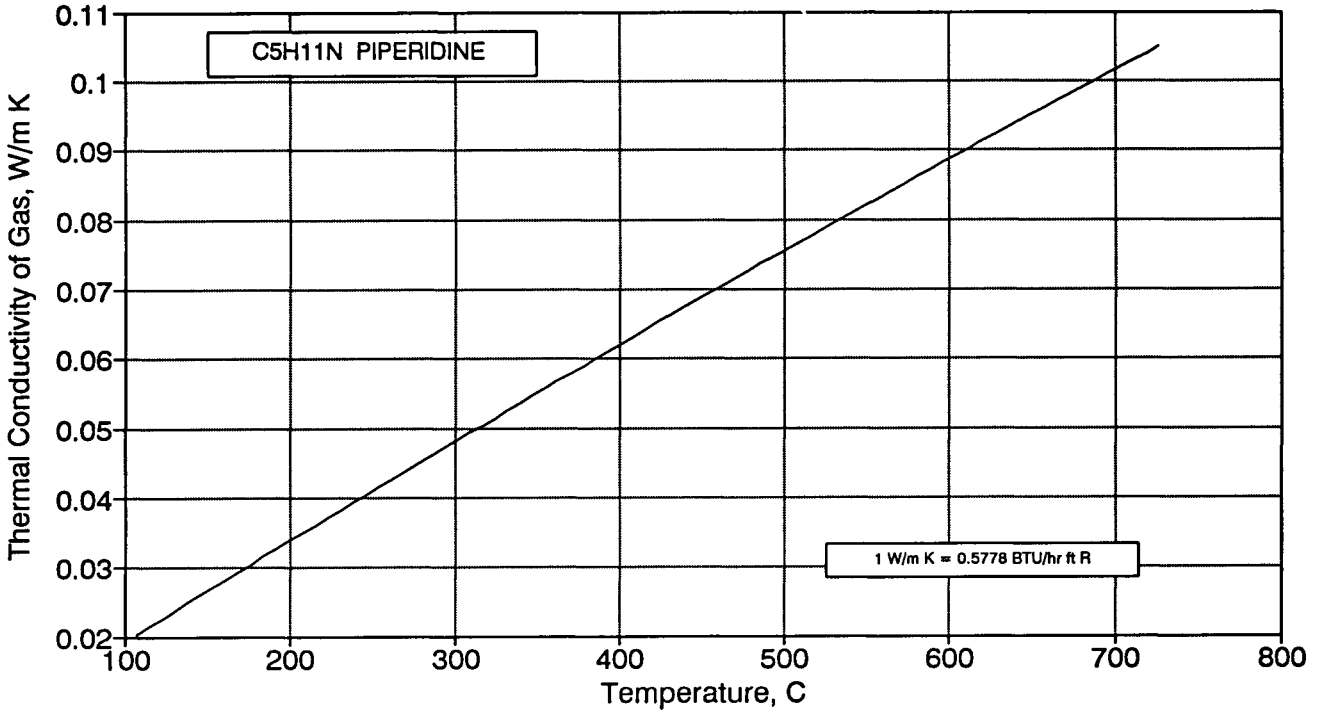

C5H10O3 ETHYL LACTATE
Thermal Conductivity of Liquid, W/m K
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

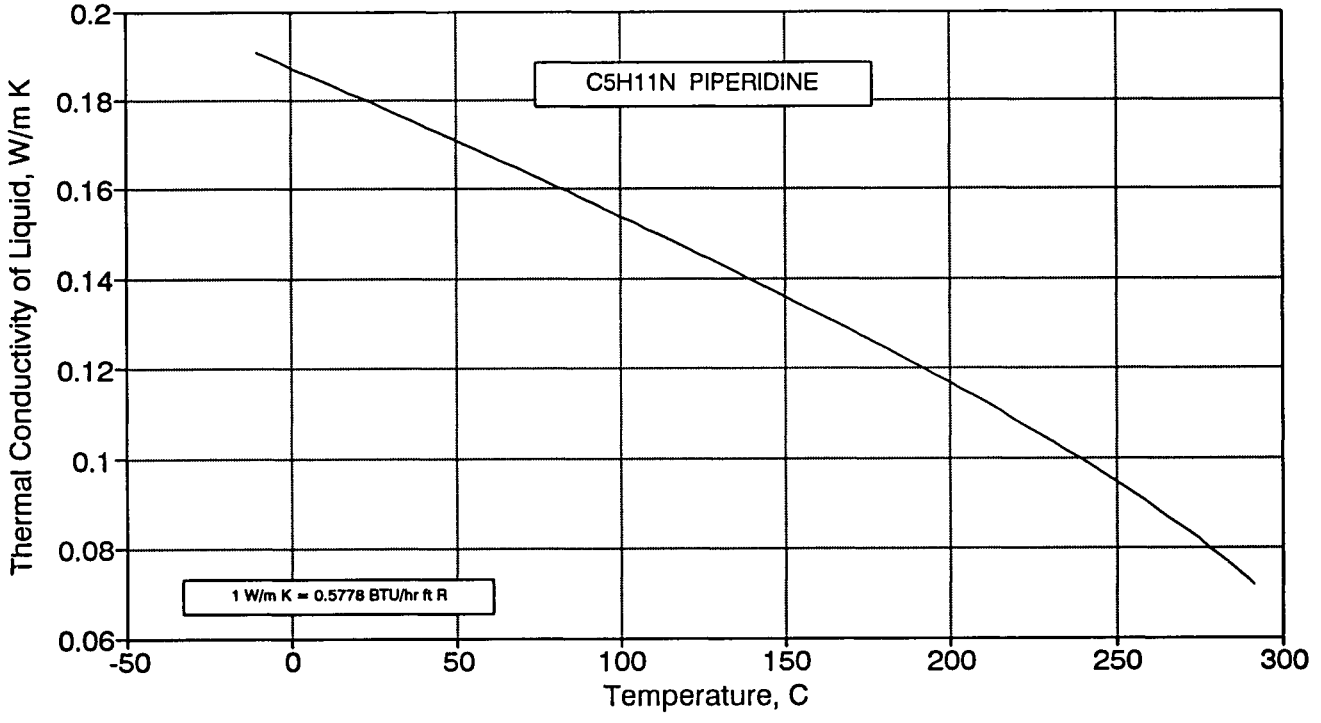

C5H11Cl 1-CHLOROPENTANE
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
-100
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

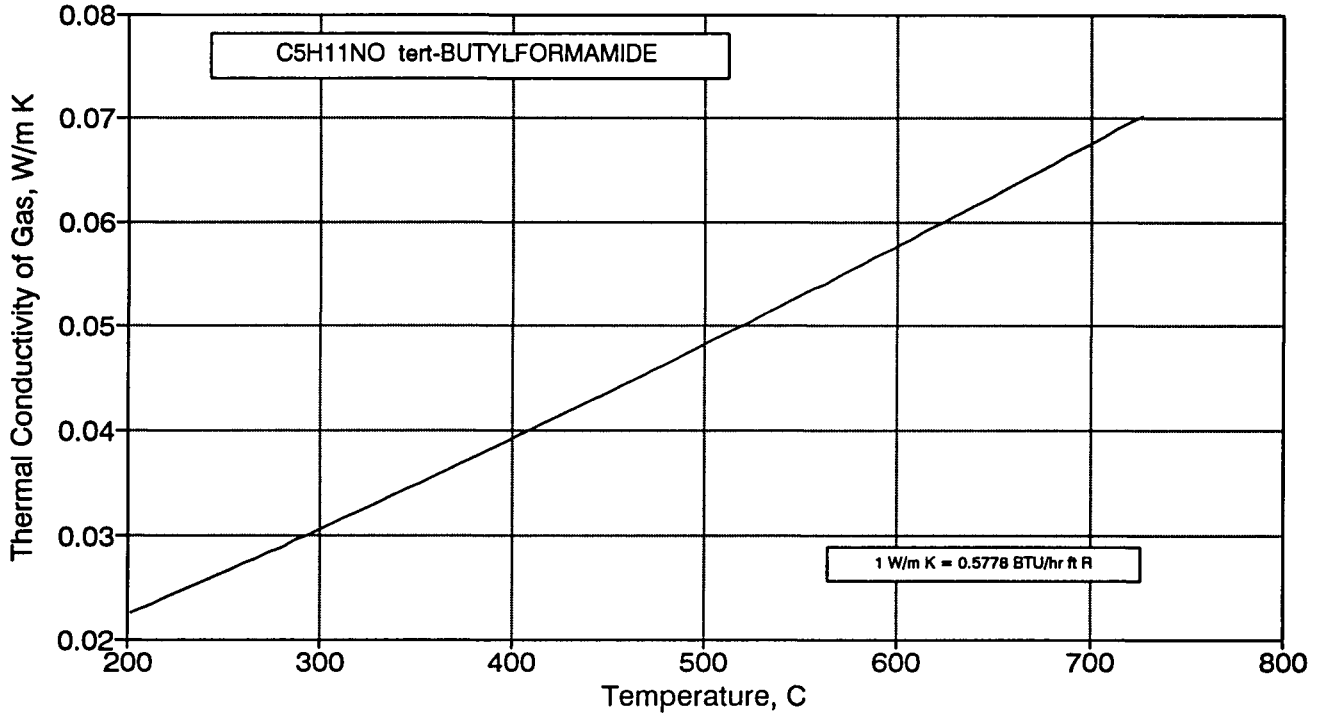

C5H11Cl 1-CHLOROPENTANE
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

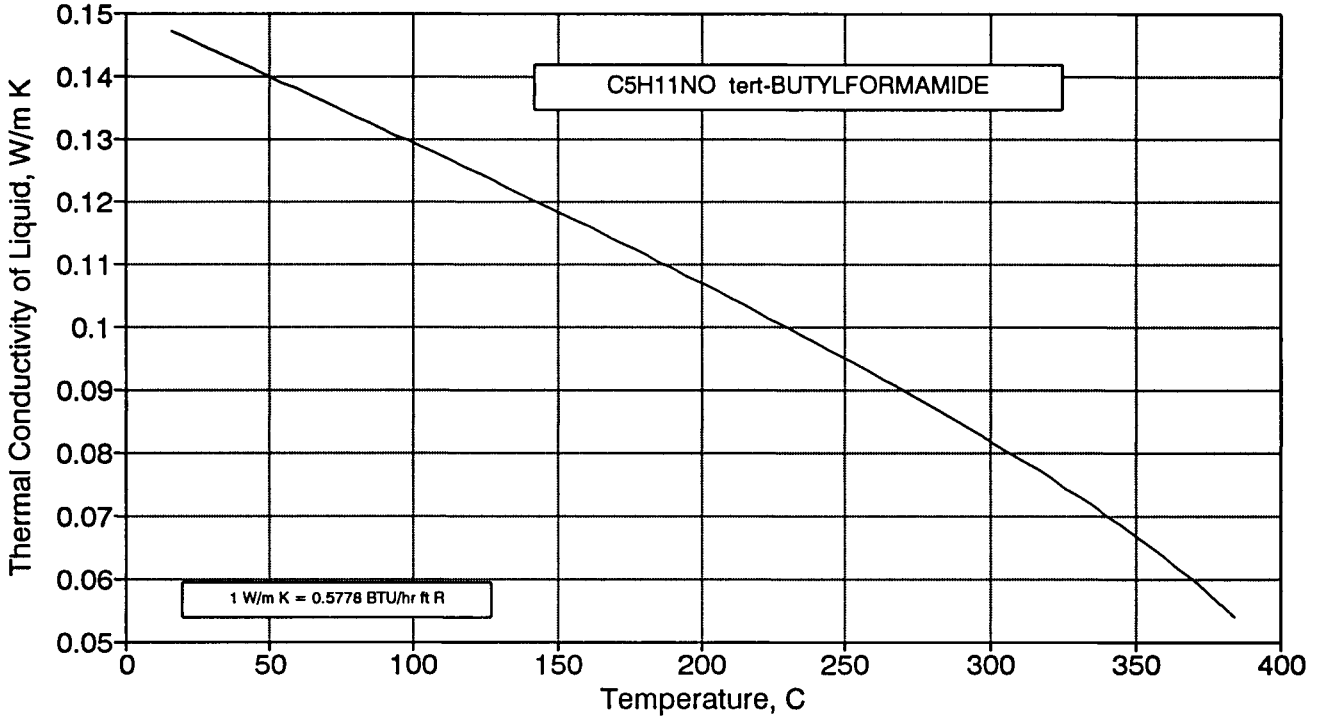

C5H11N N-METHYLPYRROLIDINE
Thermal Conductivity of Gas, W/m K
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

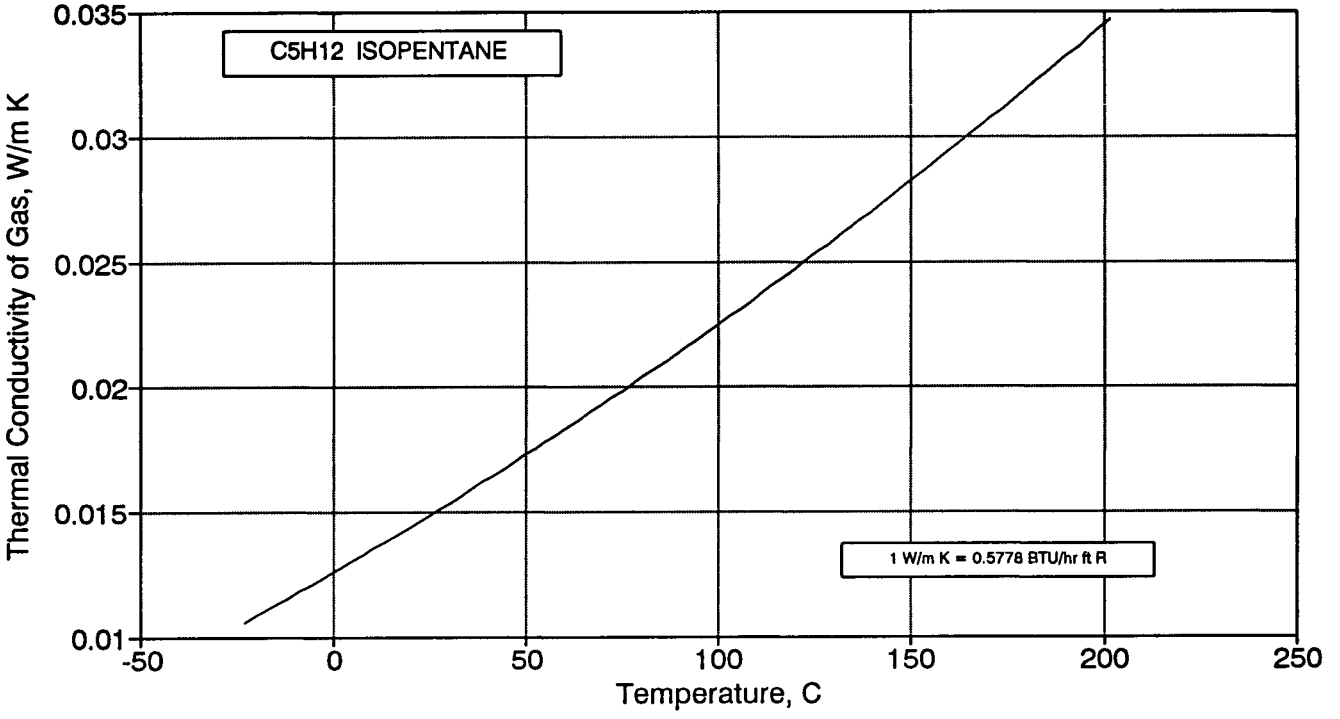

C5H11N N-METHYLPYRROLIDINE
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

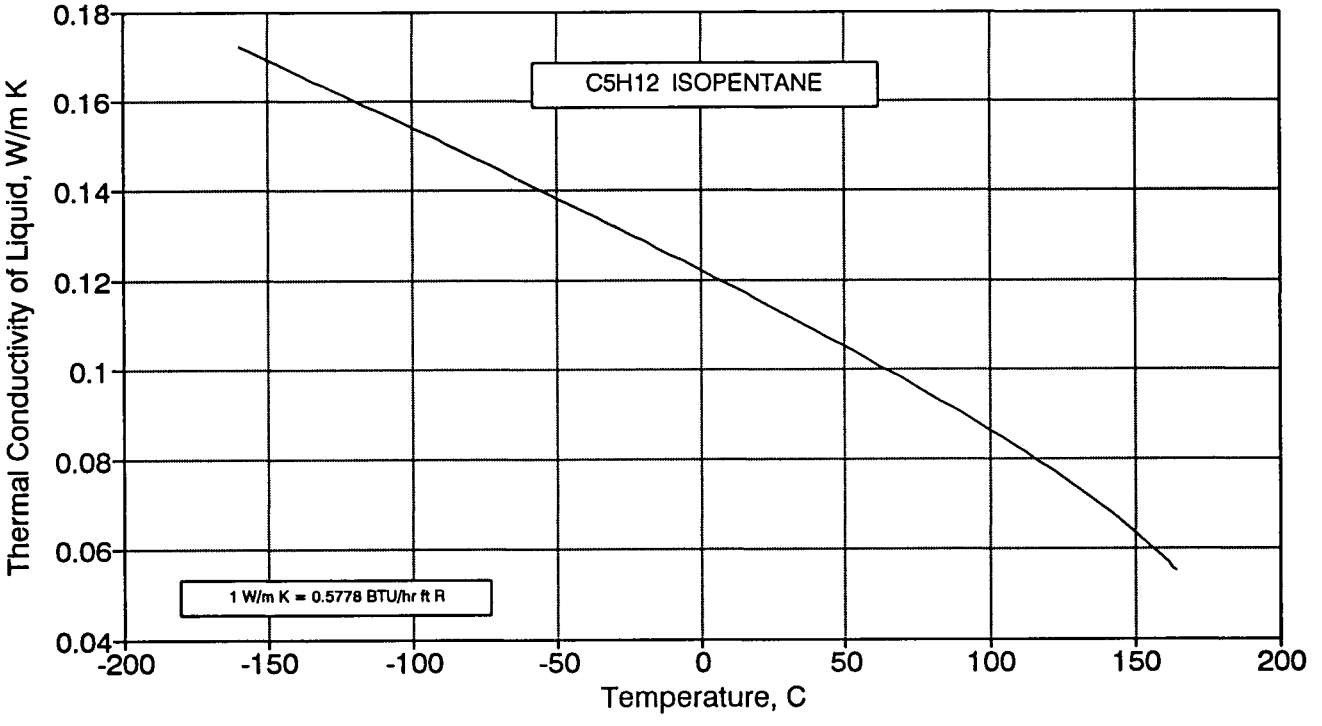

C5H11N PIPERIDINE
Thermal Conductivity of Gas, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

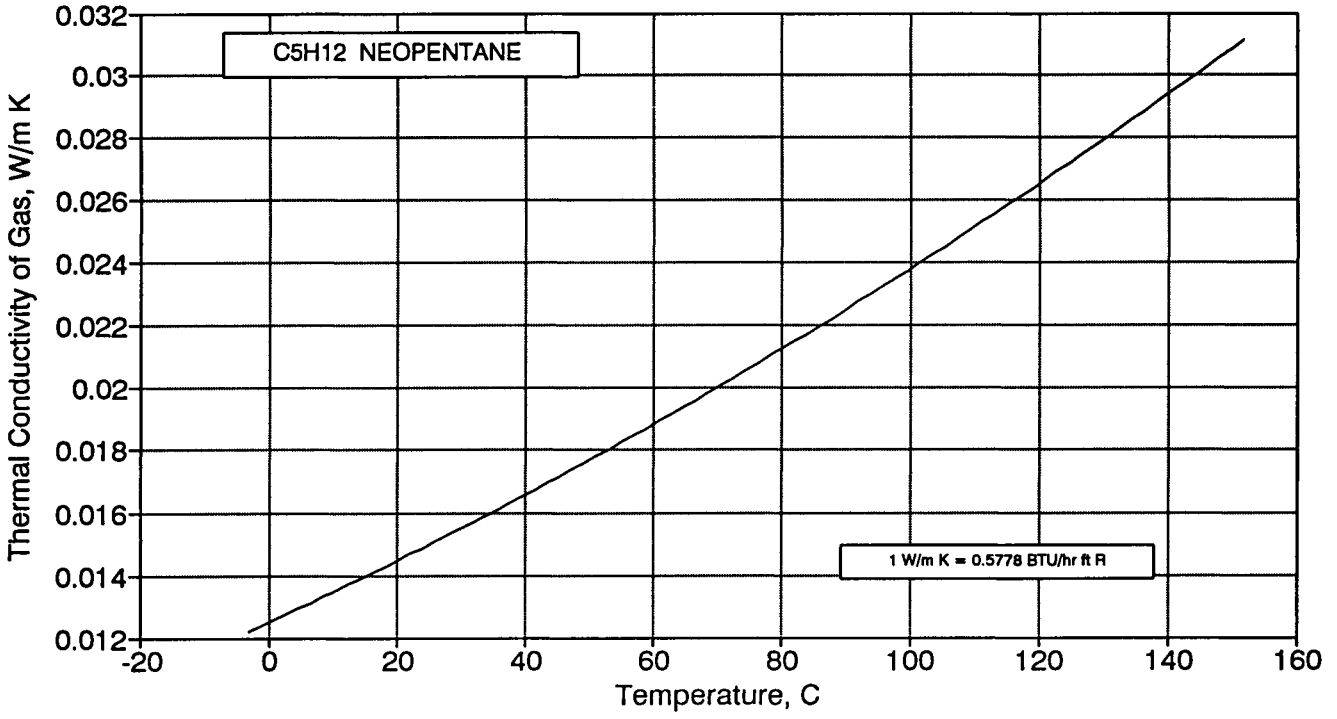

C5H11N PIPERIDINE
Thermal Conductivity of Liquid, W/m K
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

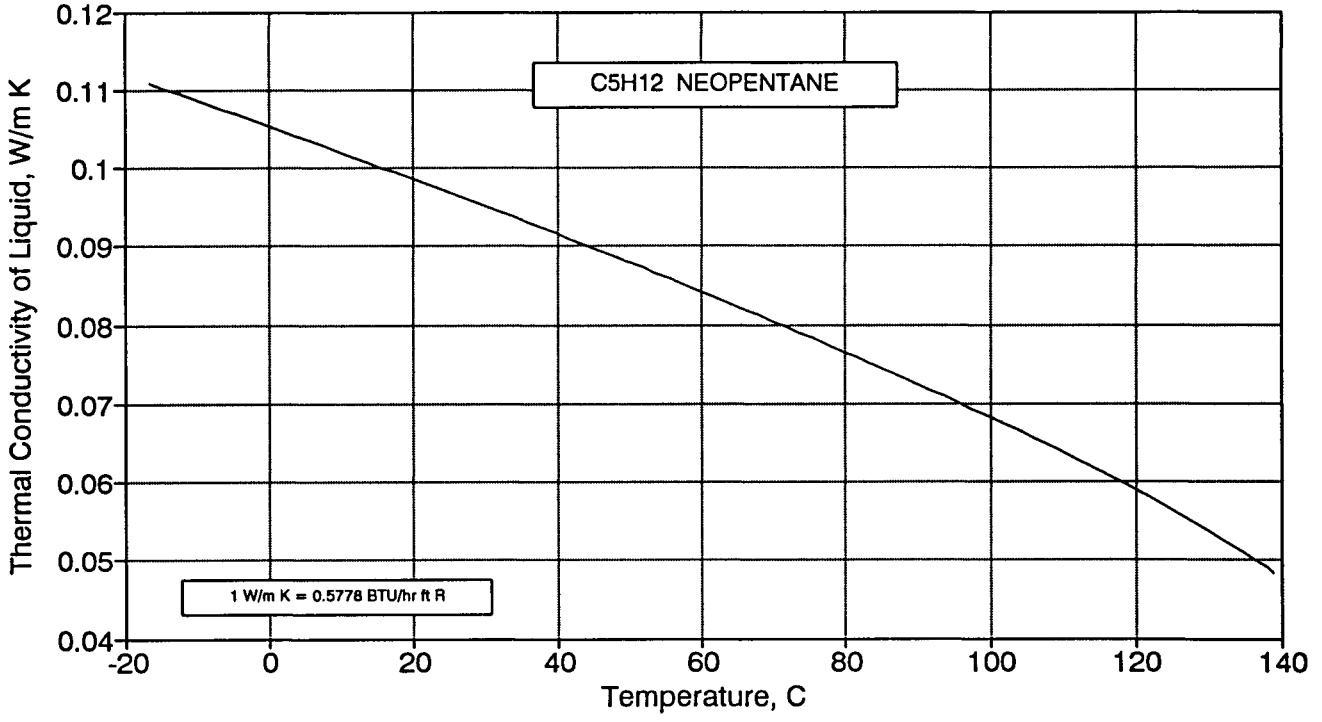

C5H11NO tert-BUTYLFORMAMIDE
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

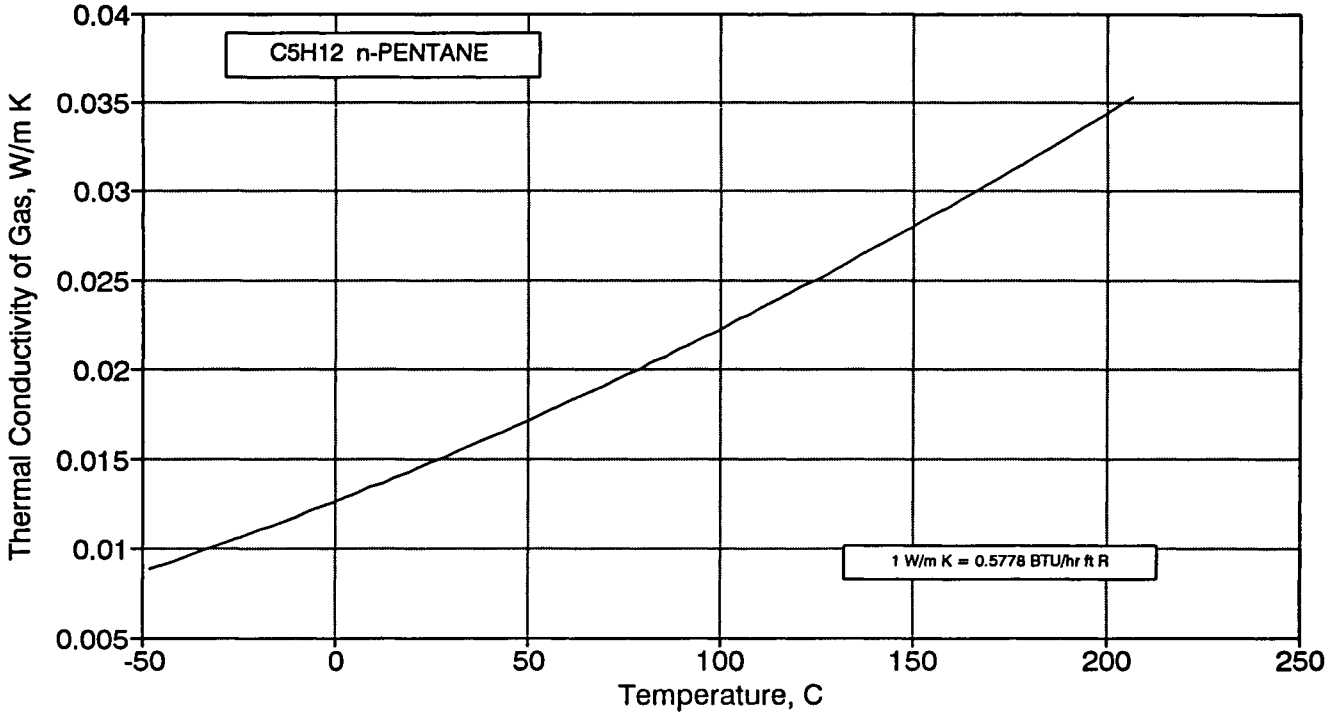

C5H11NO tert-BUTYLFORMAMIDE
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

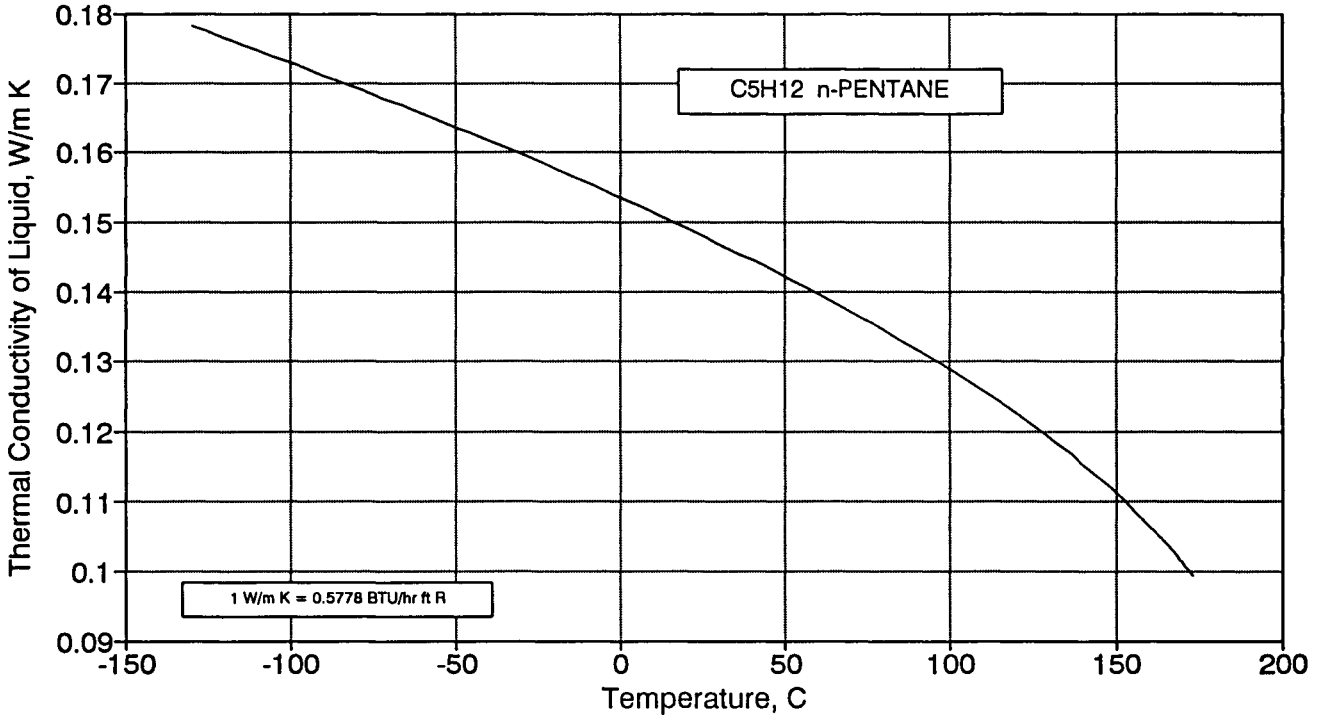

C5H12 ISOPENTANE
Thermal Conductivity of Gas, W/m K
0.035
0.03
0.025
0.02
0.015
0.01
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

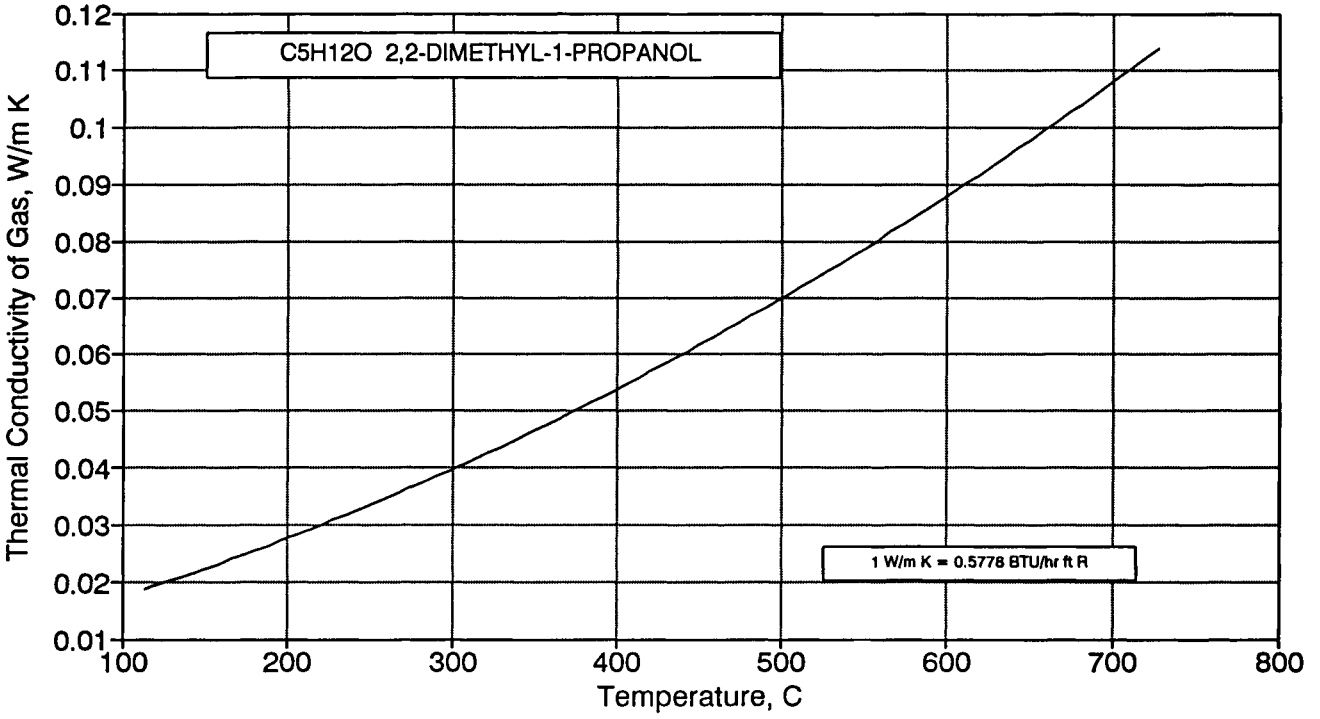

C5H12 ISOPENTANE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-200
-150
-100
-50
0
50
100
150
200
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

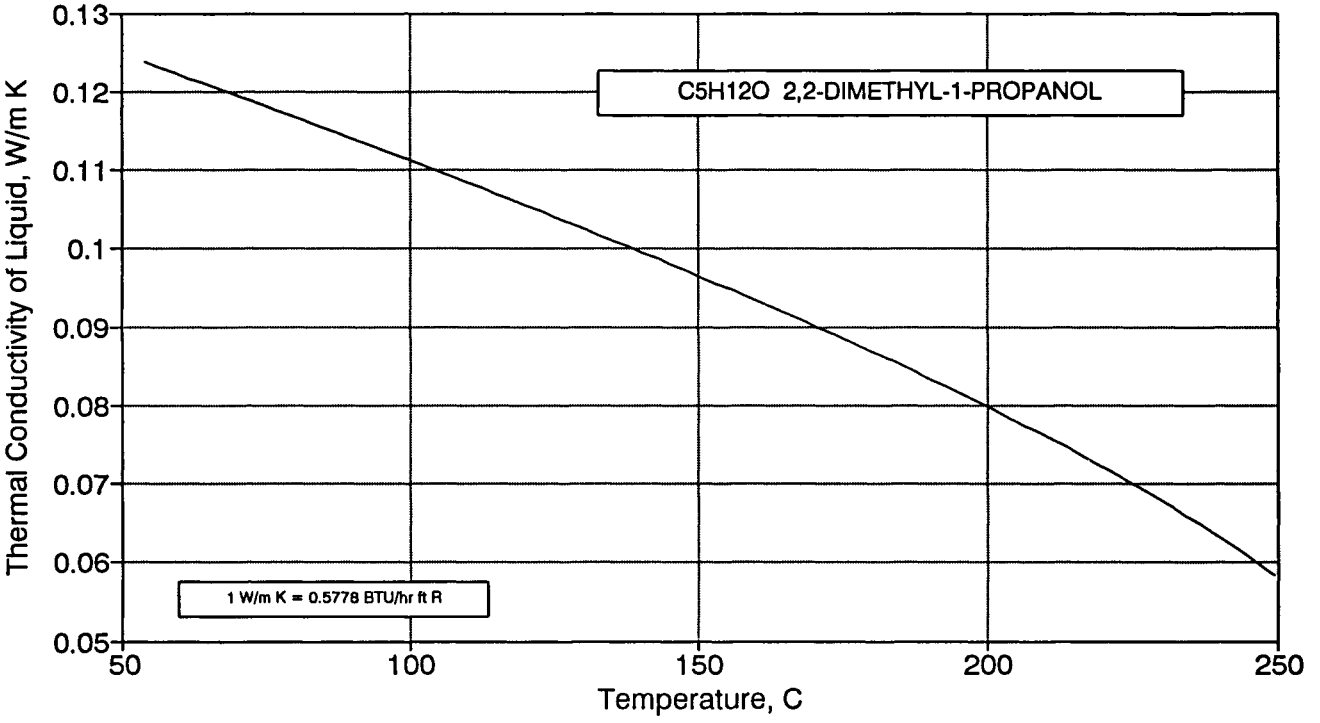

C5H12 NEOPENTANE
Thermal Conductivity of Gas, W/m K
0.032
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
-20
0
20
40
60
80
100
120
140
160
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

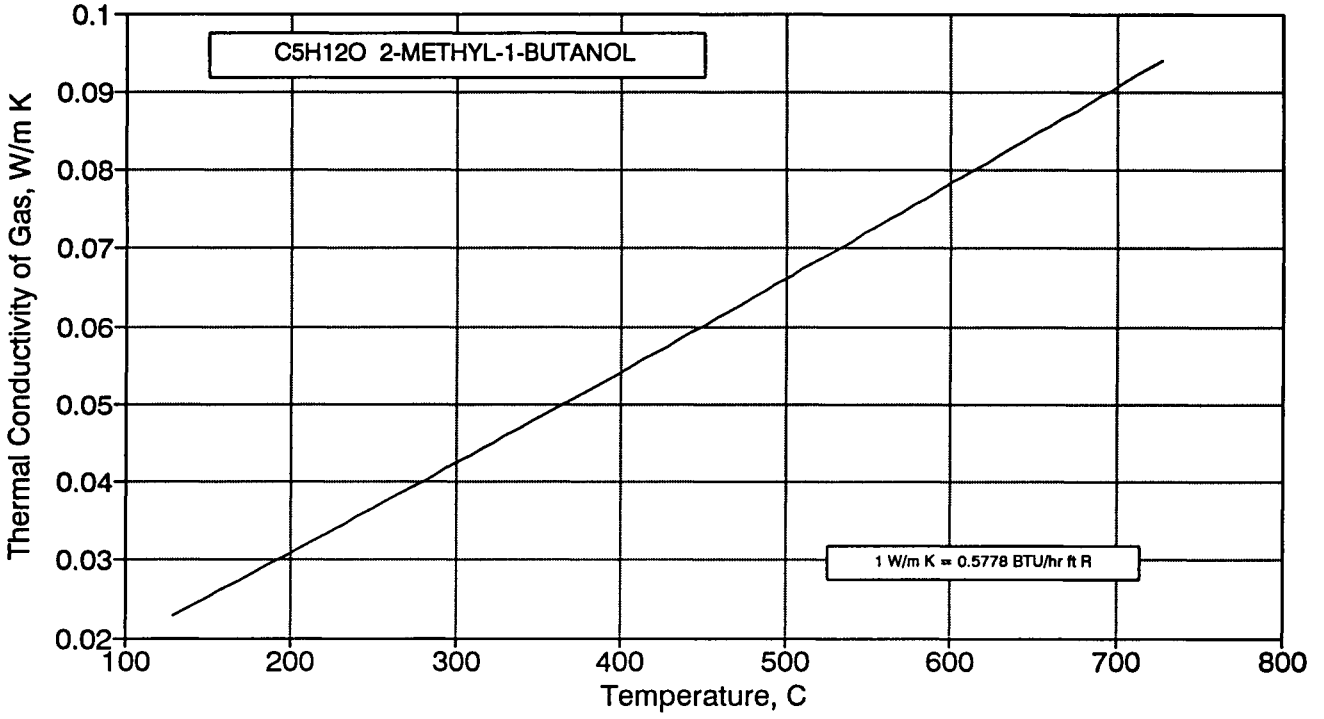

C5H12 NEOPENTANE
Thermal Conductivity of Liquid, W/m K
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-20
0
20
40
60
80
100
120
140
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

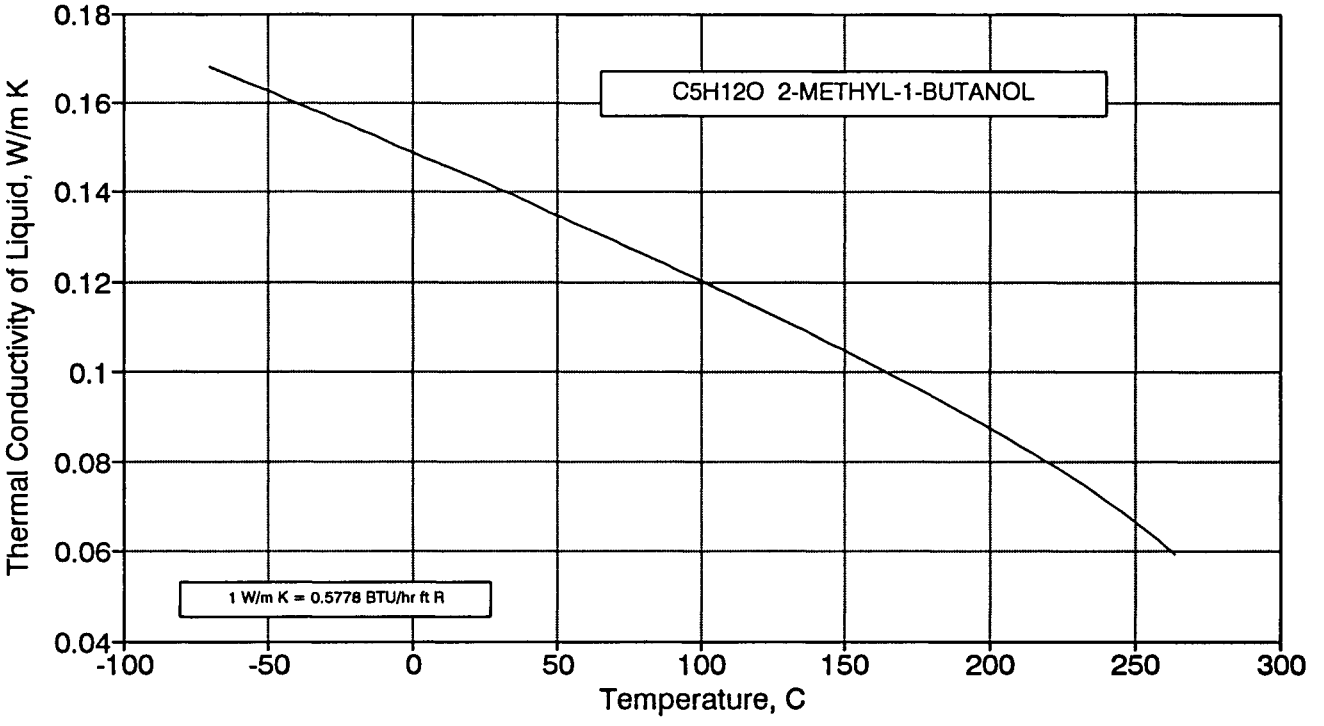

C5H12 n-PENTANE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
-50
0
50
100
150
200
250
Temperature, C

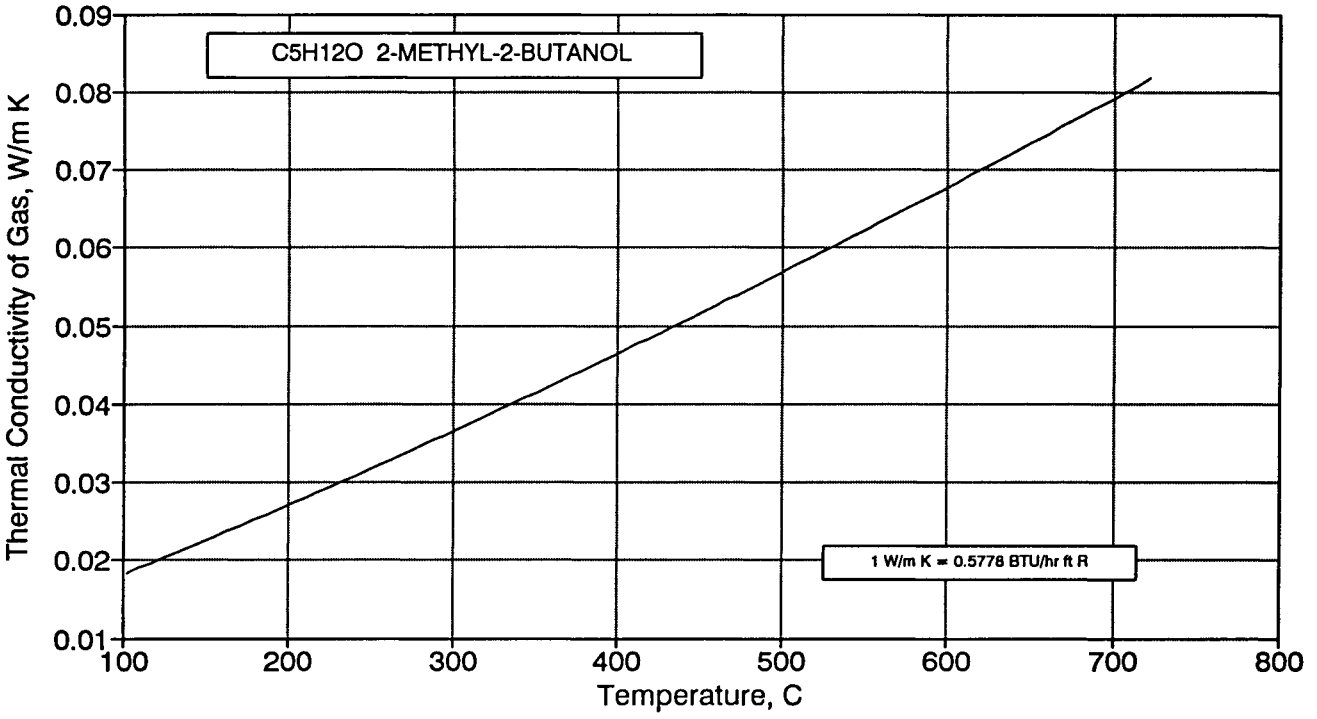

C5H12 n-PENTANE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.18
0.17
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
-150
-100
-50
0
50
100
150
200
Temperature, C

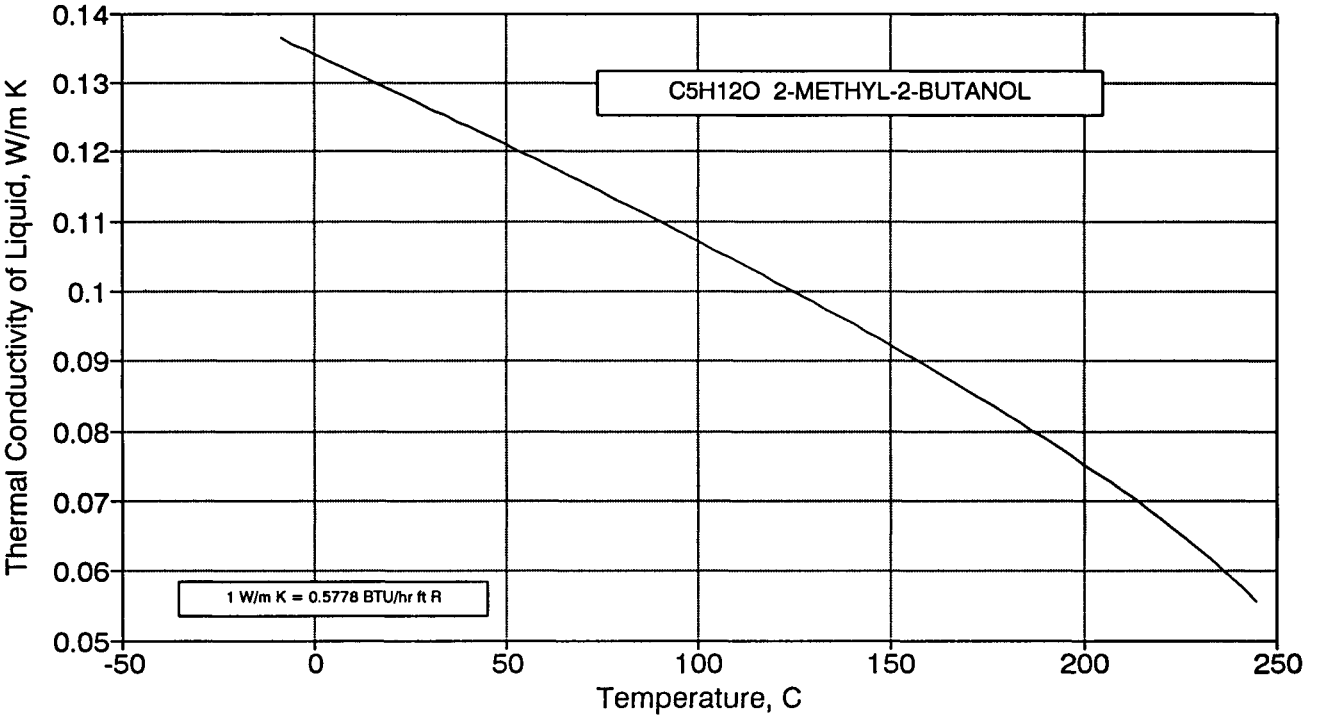

C5H12O 2,2-DIMETHYL-1-PROPANOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C

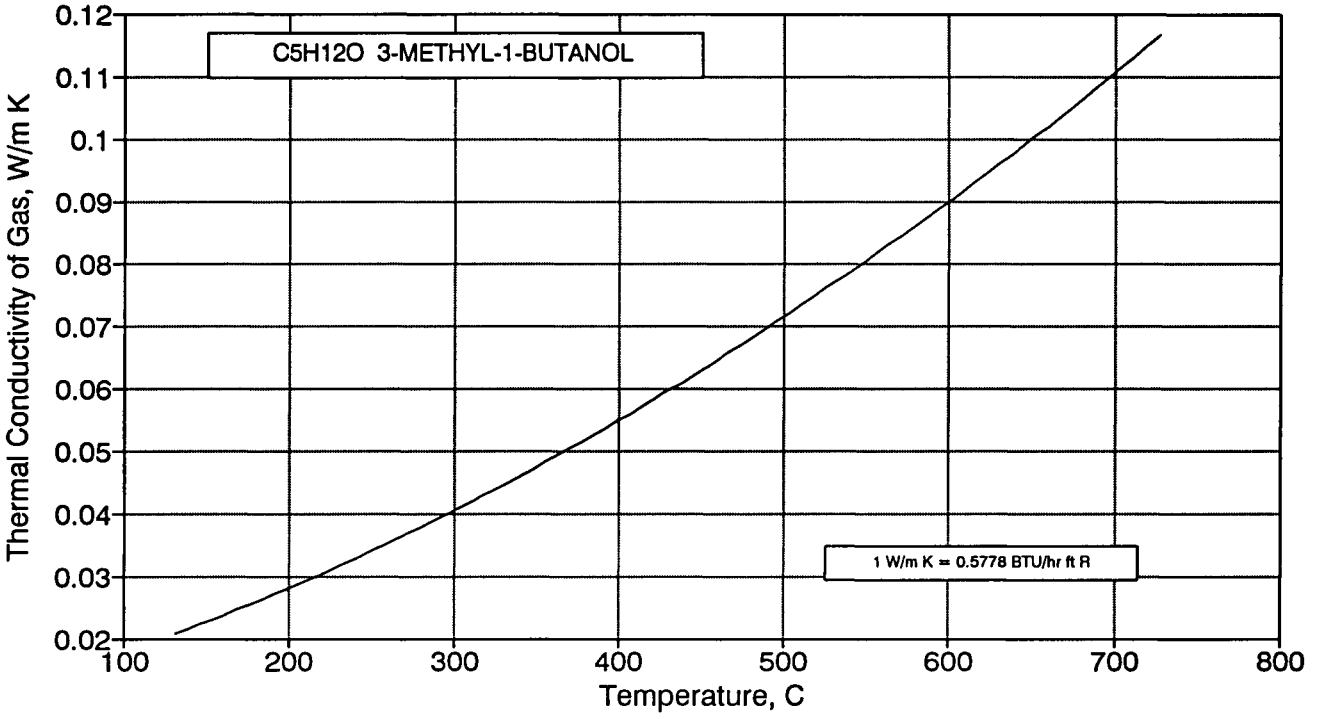

C5H12O 2,2-DIMETHYL-1-PROPANOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
50
100
150
200
250
Temperature, C

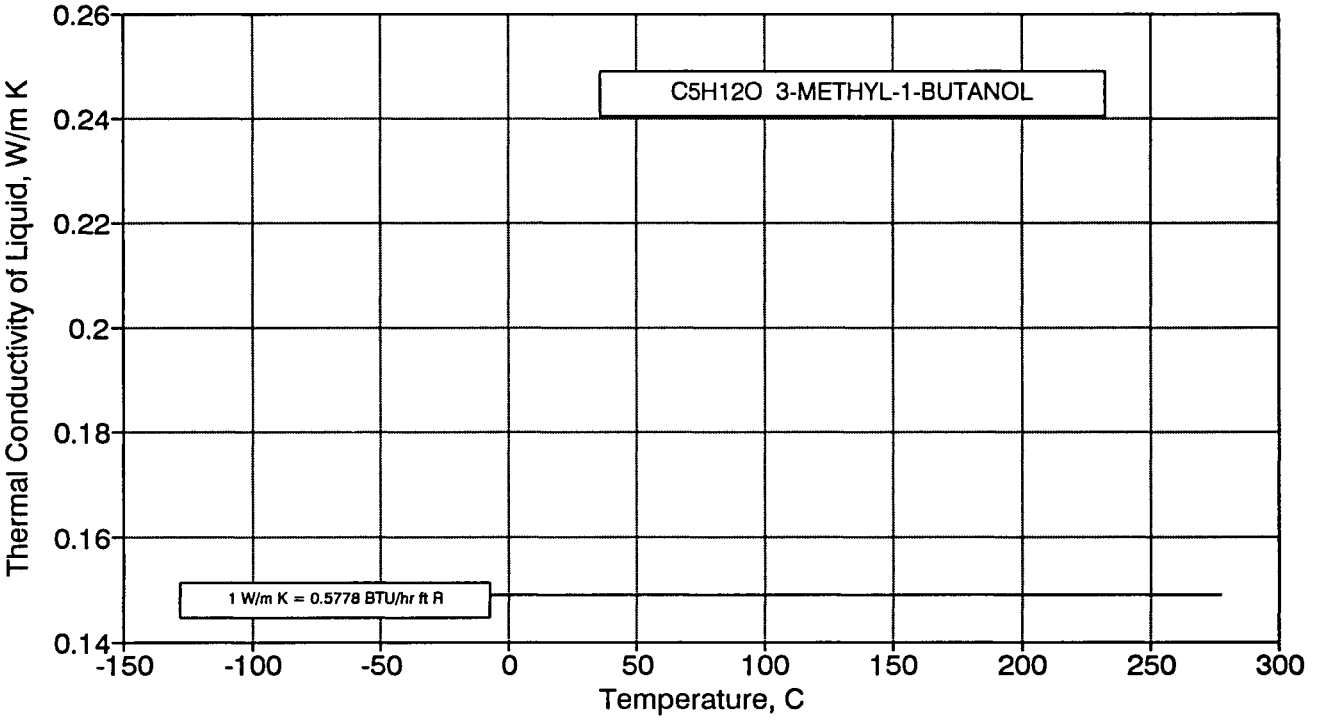

C5H12O 2-METHYL-1-BUTANOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800
Temperature, C

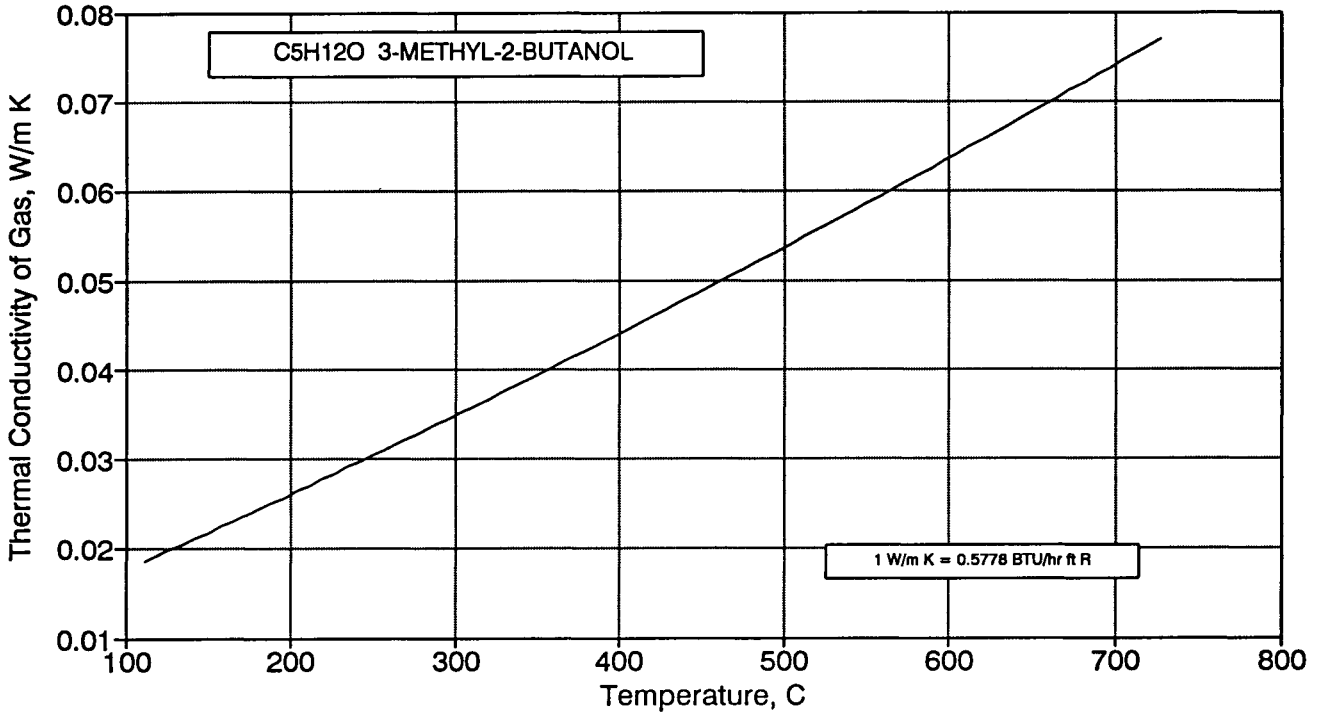

C5H12O 2-METHYL-1-BUTANOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
Temperature, C

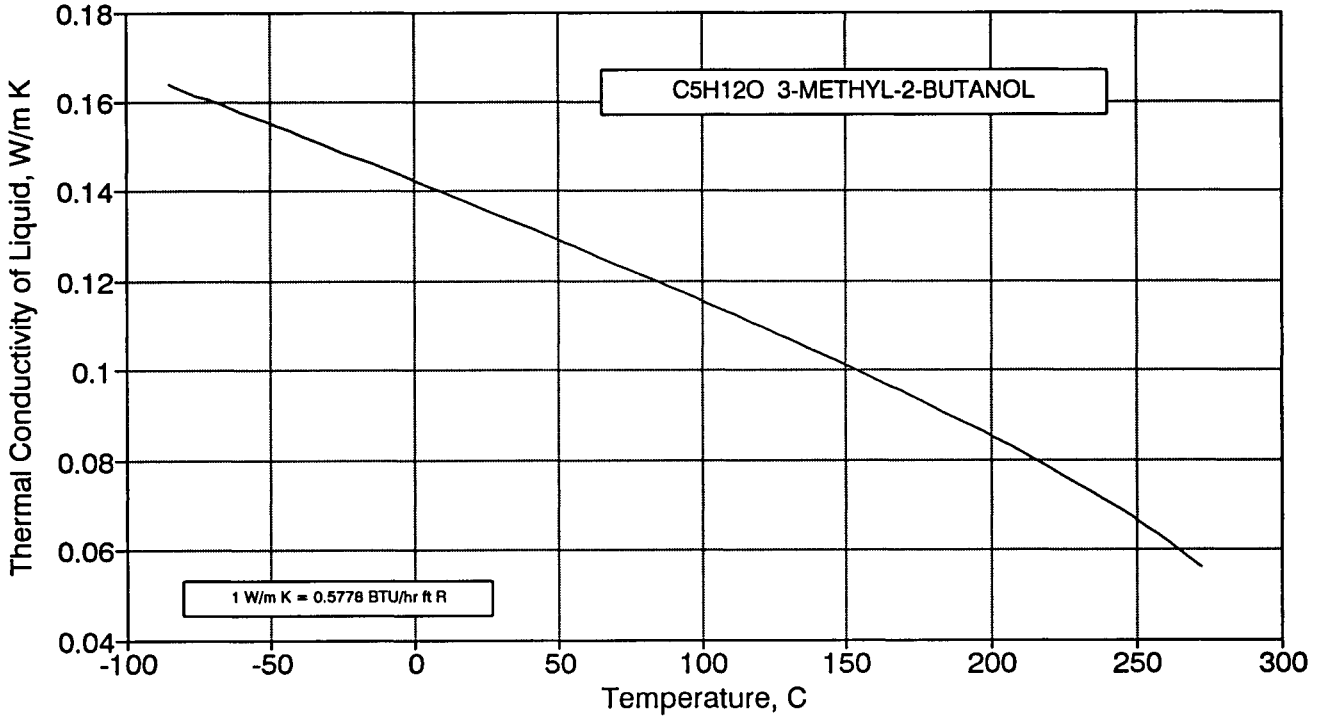

C5H12O 2-METHYL-2-BUTANOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800

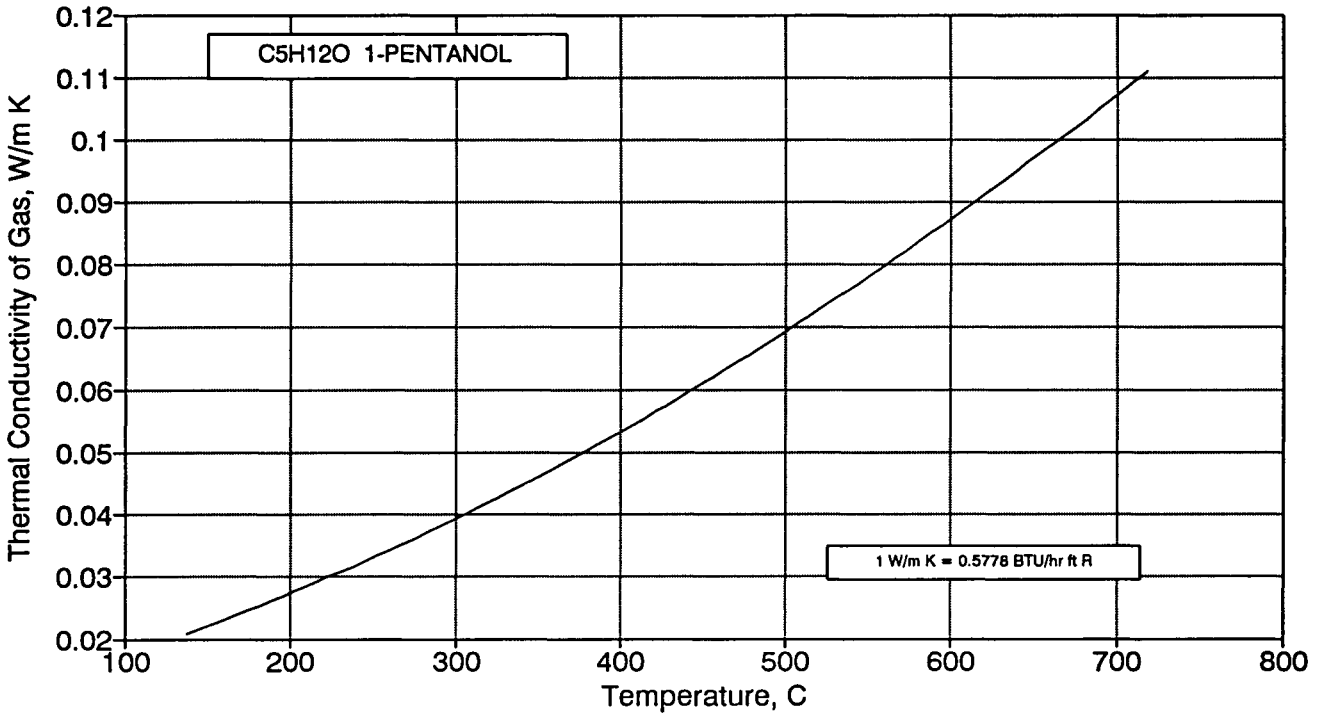

C5H12O 2-METHYL-2-BUTANOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
-50
0
50
100
150
200
250

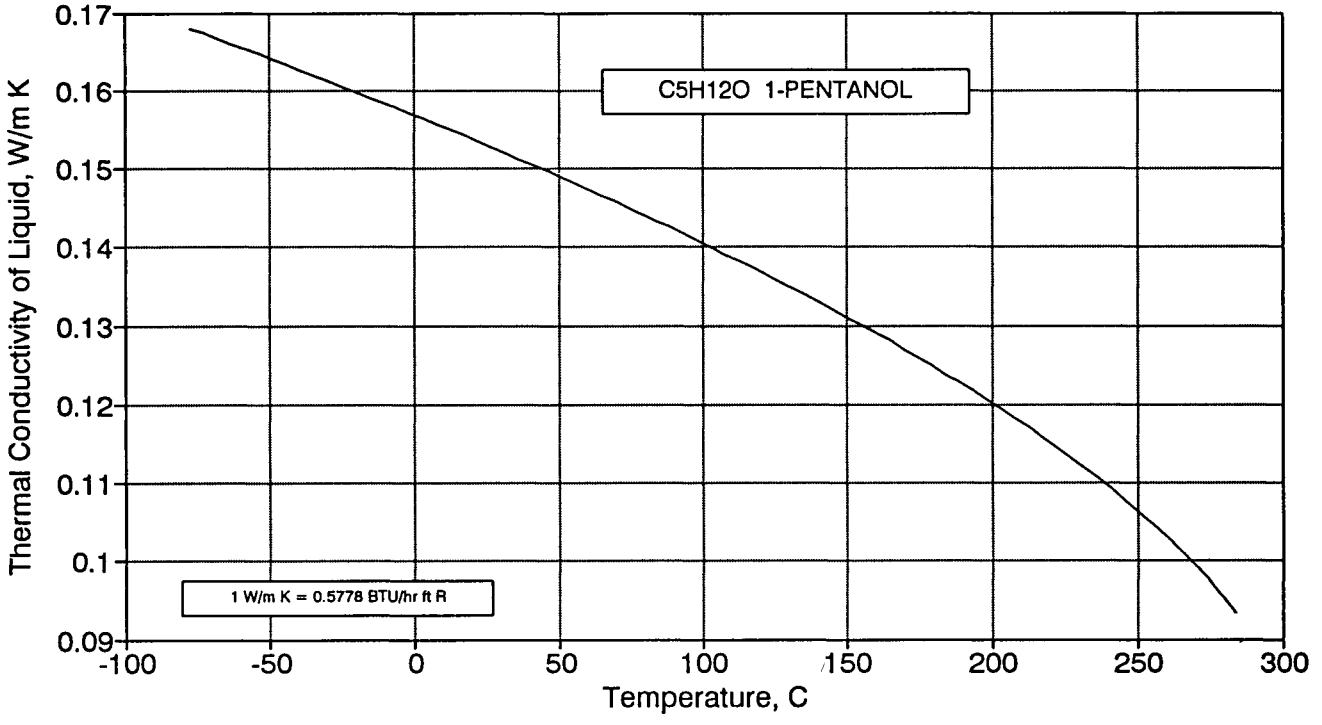

C5H12O 3-METHYL-1-BUTANOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800

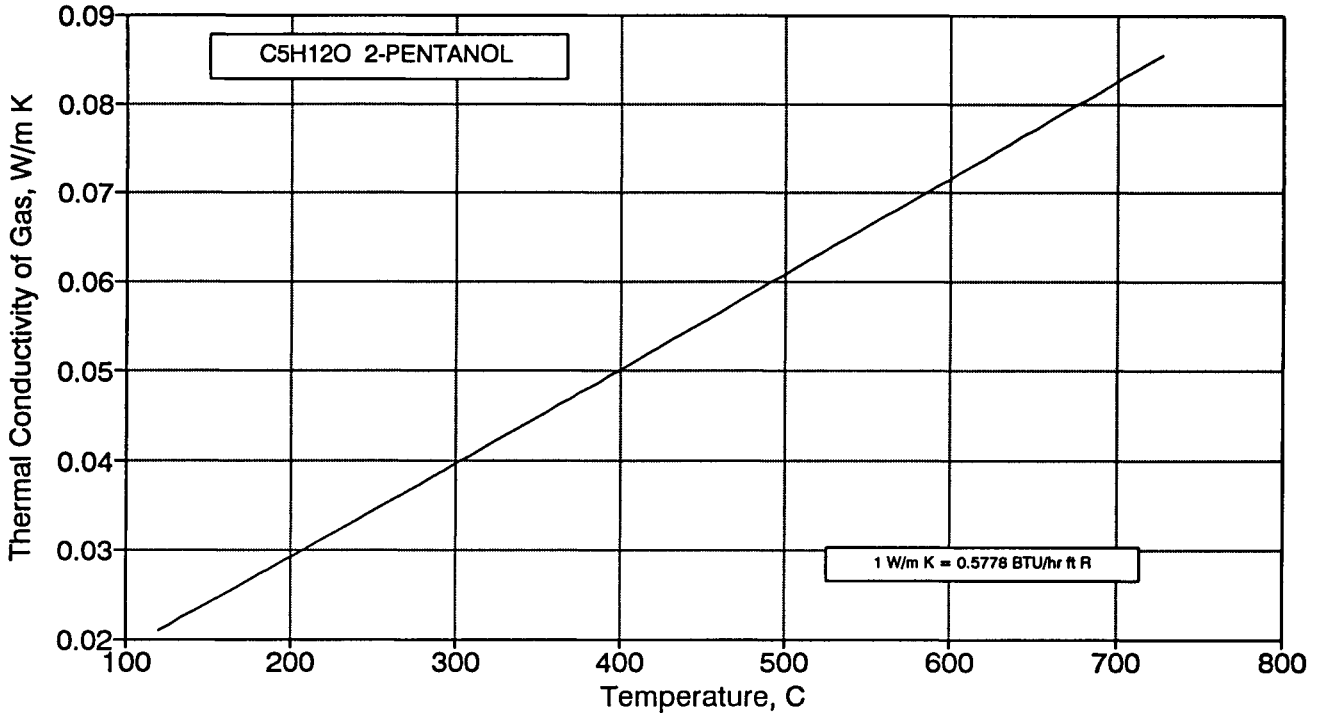

C5H12O 3-METHYL-1-BUTANOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.26
0.24
0.22
0.2
0.18
0.16
0.14
-150
-100
-50
0
50
100
150
200
250
300

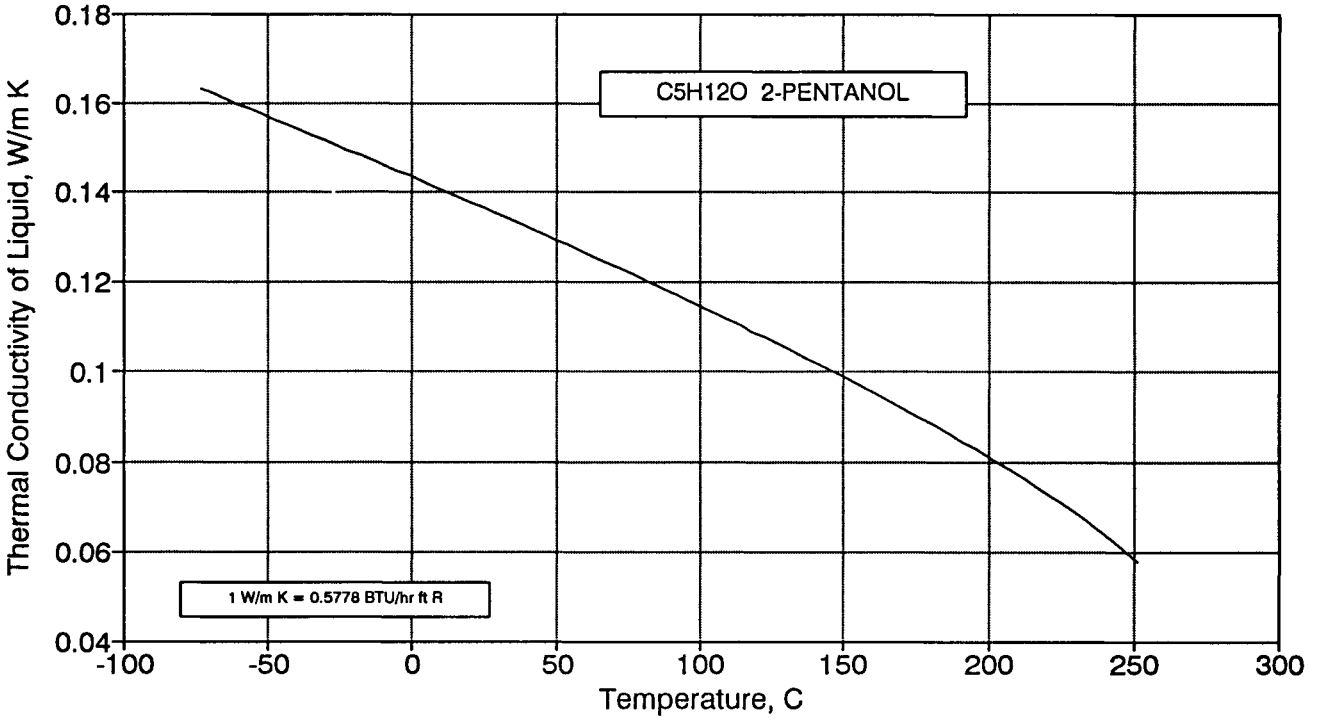

C5H12O 3-METHYL-2-BUTANOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C

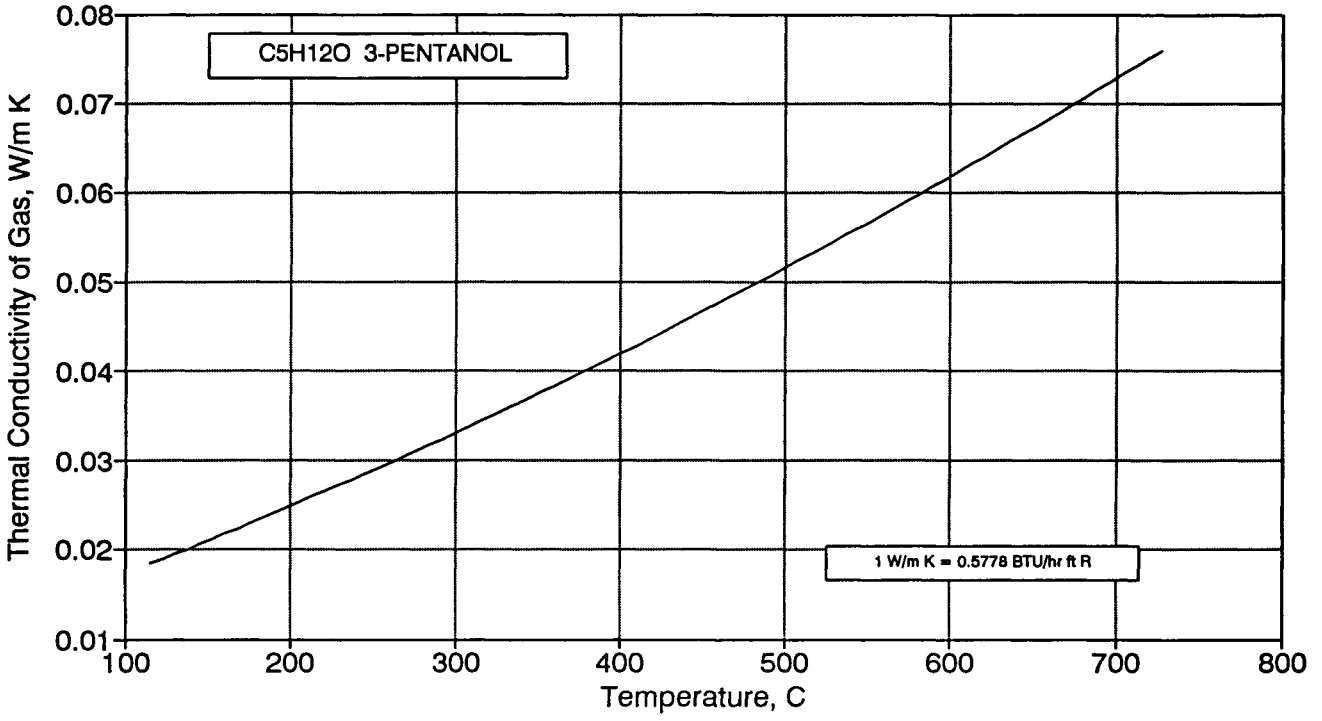

C5H12O 3-METHYL-2-BUTANOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
Temperature, C

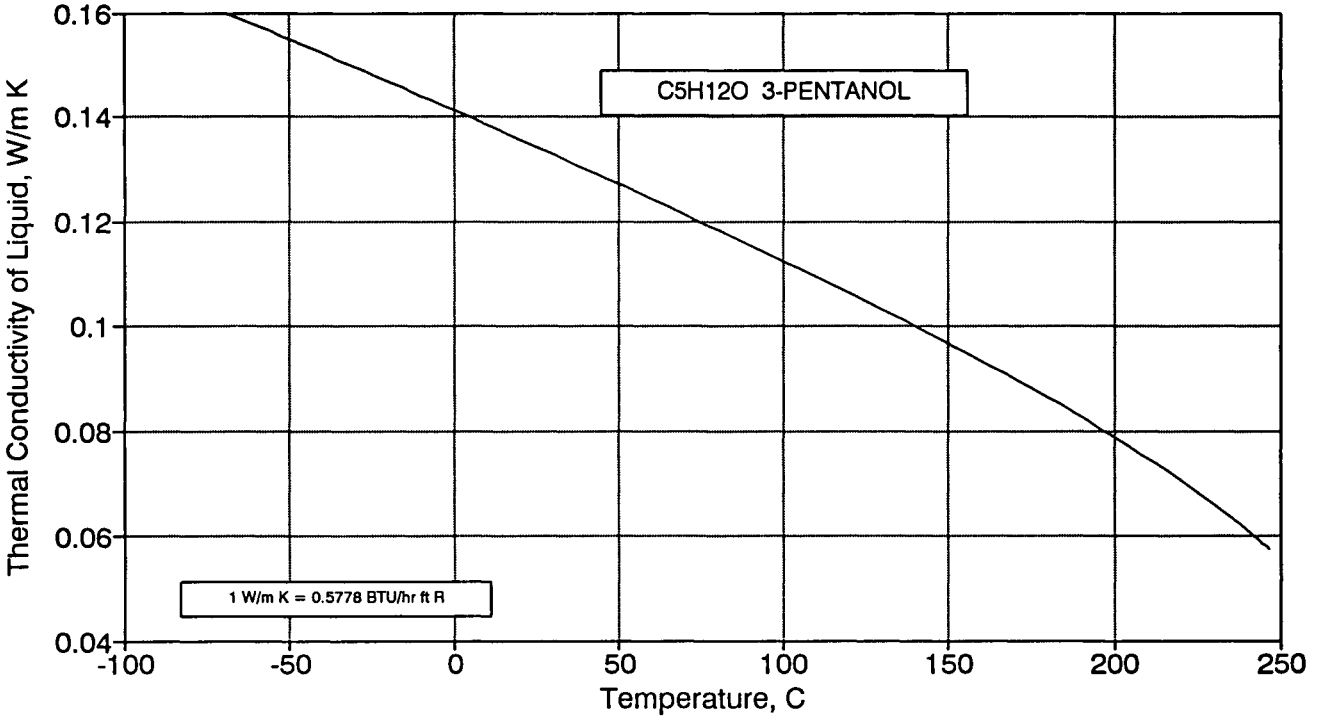

C5H12O 1-PENTANOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800

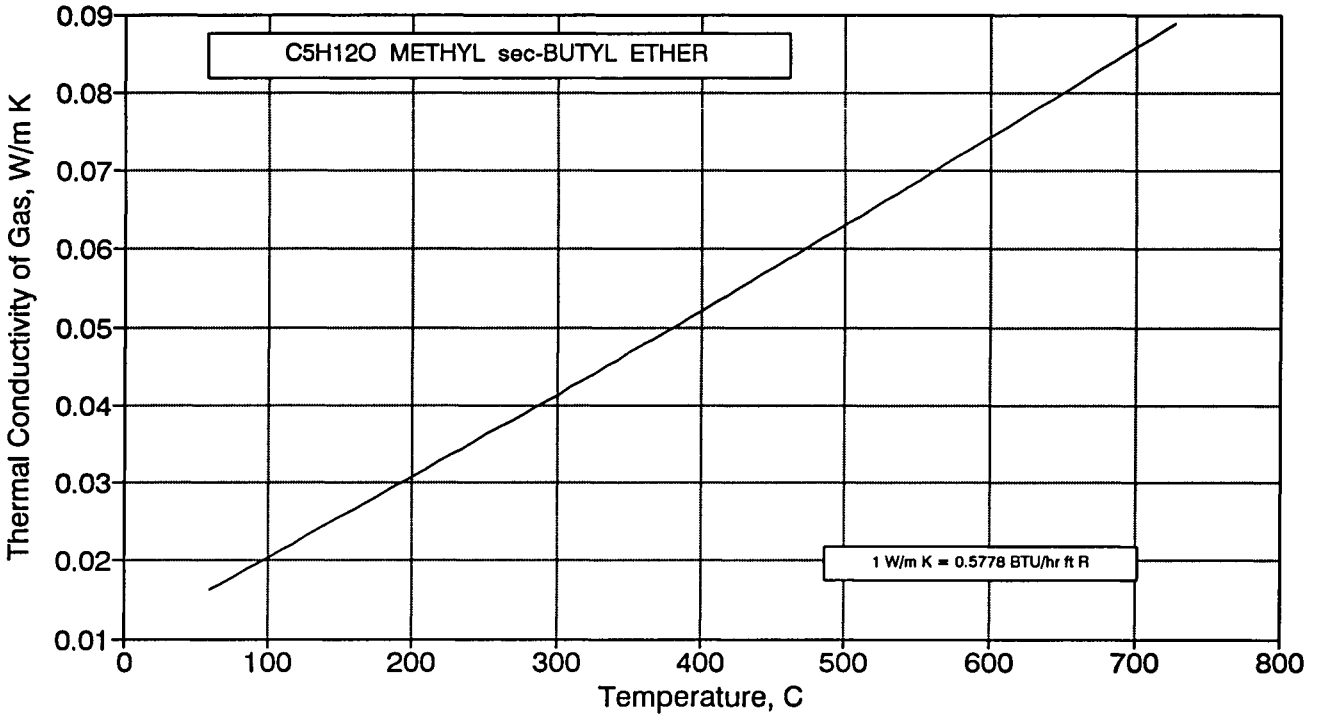

C5H12O 1-PENTANOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.17
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
-100
-50
0
50
100
150
200
250
300

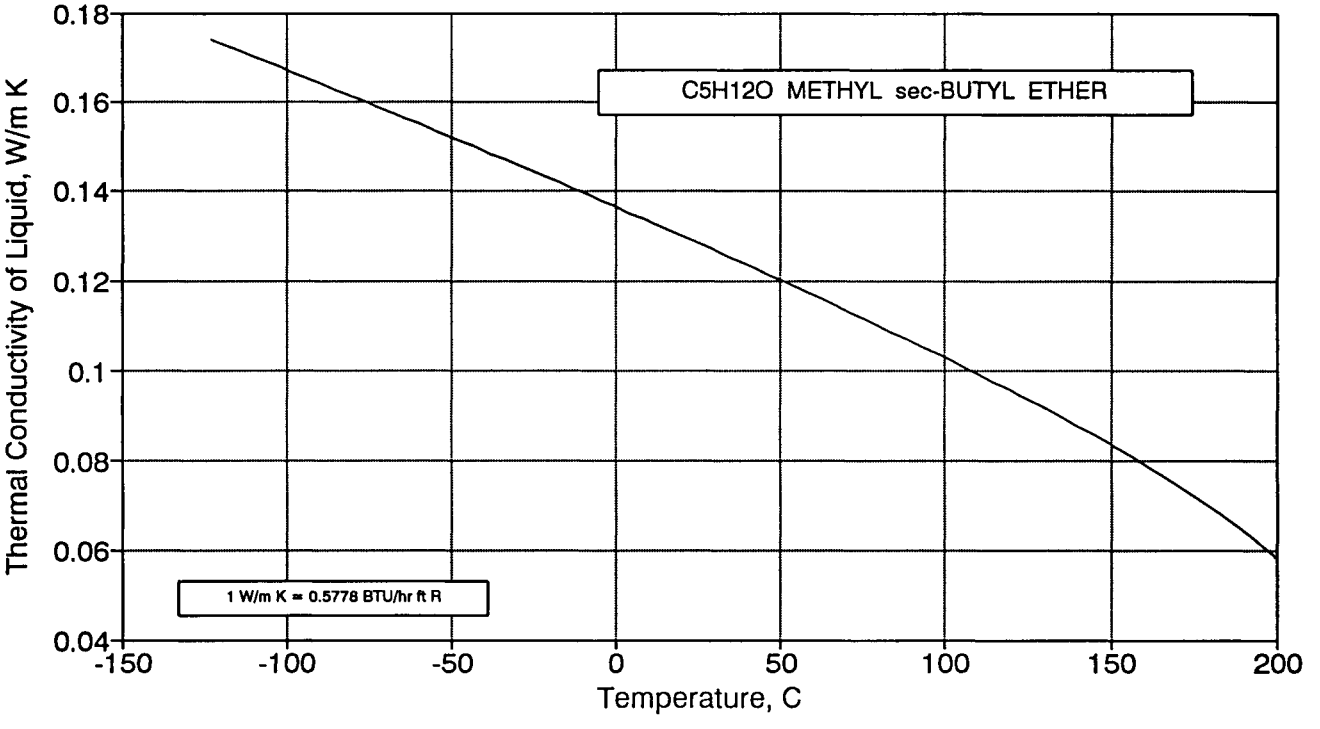

C5H12O 2-PENTANOL
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

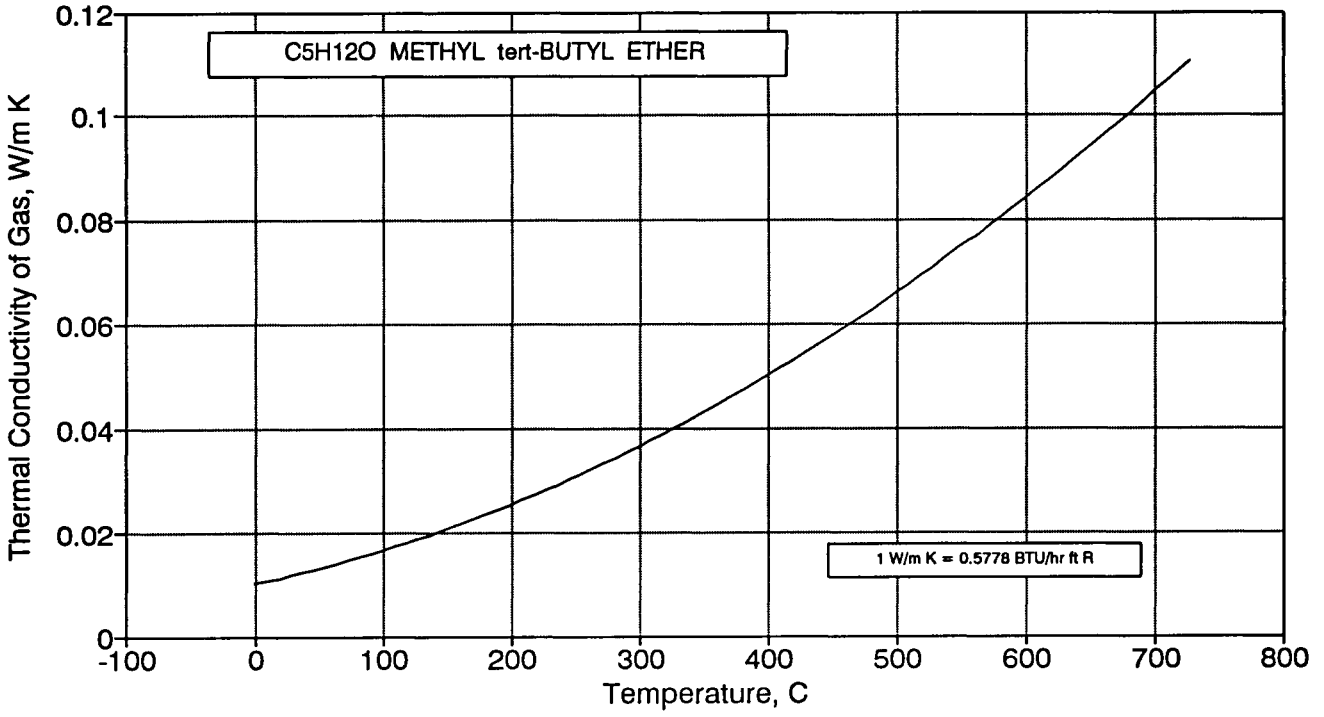

C5H12O 2-PENTANOL
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

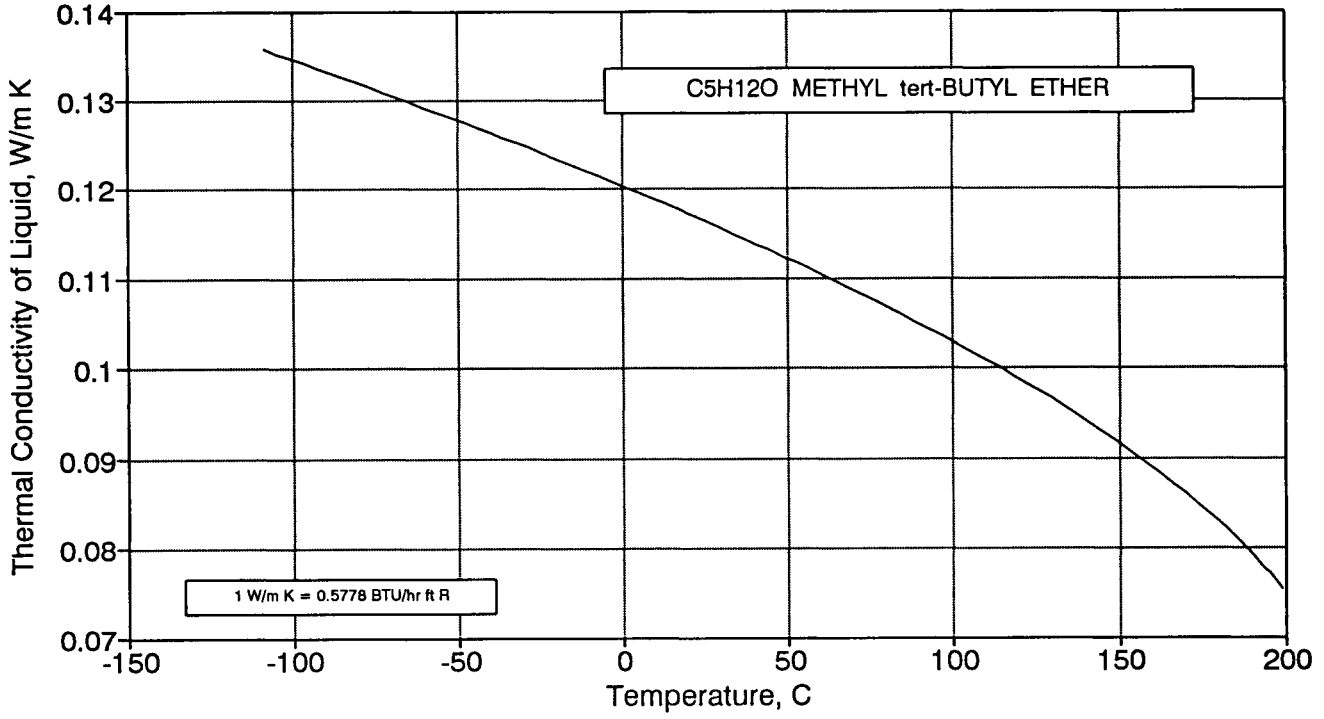

C5H12O 3-PENTANOL
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

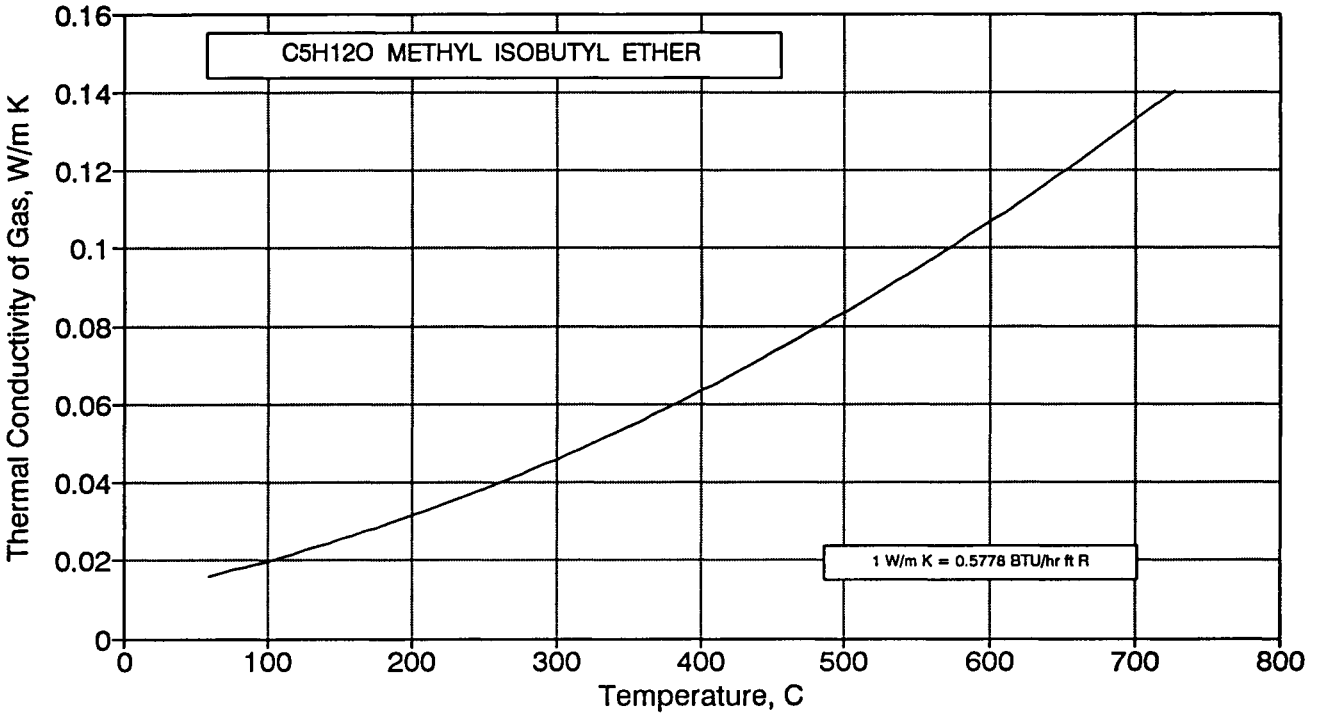

C5H12O 3-PENTANOL
Thermal Conductivity of Liquid, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

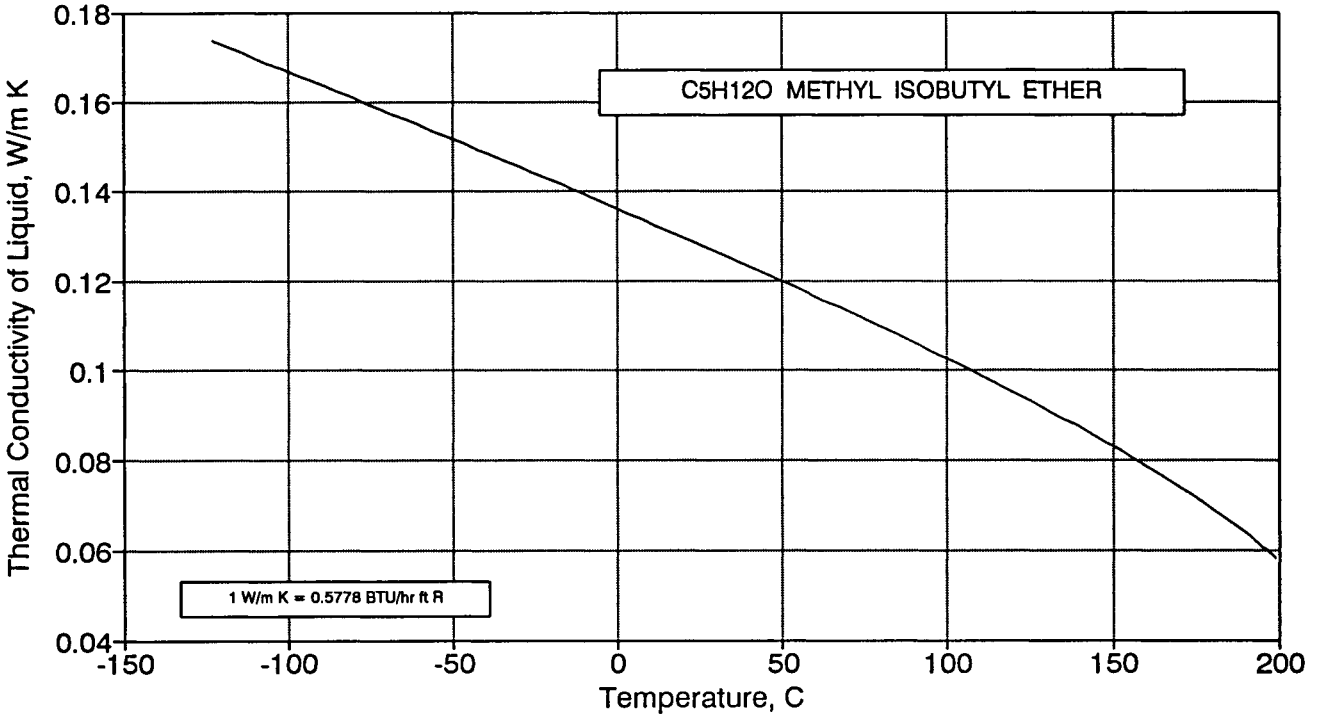

C5H12O METHYL sec-BUTYL ETHER
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C

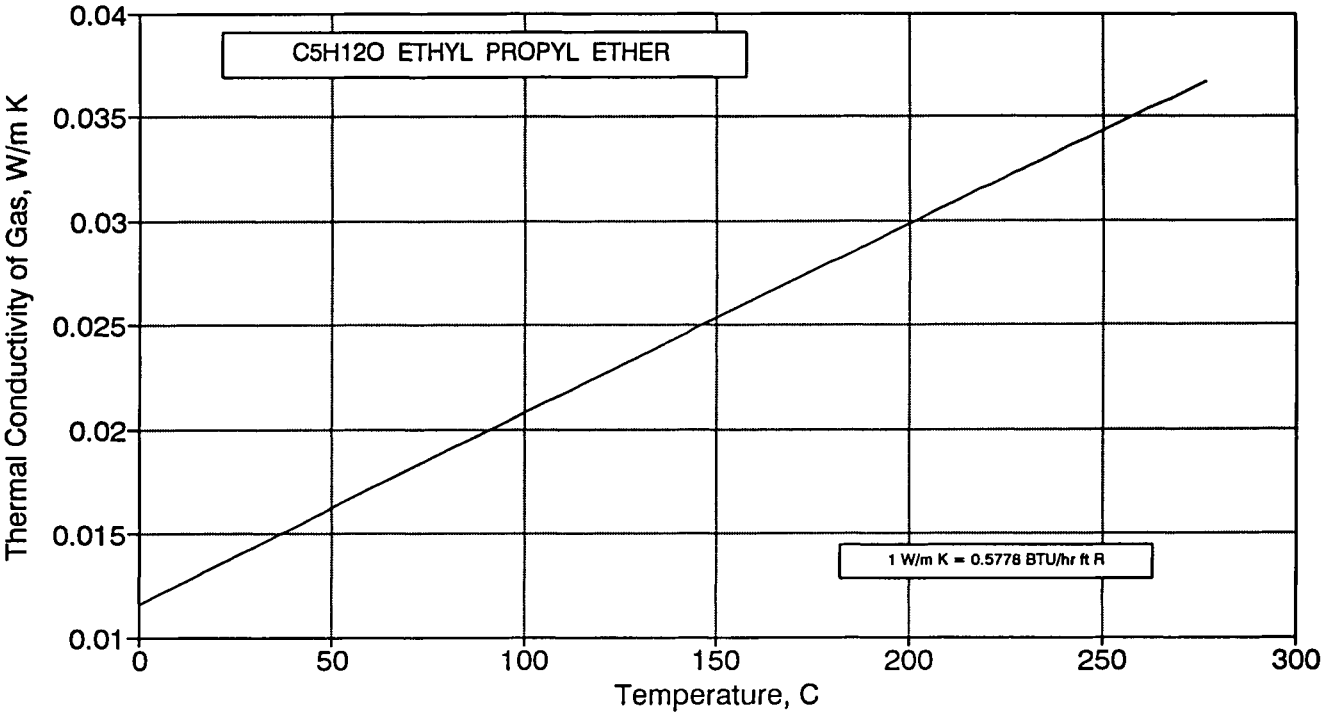

C5H12O METHYL sec-BUTYL ETHER
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
Temperature, C

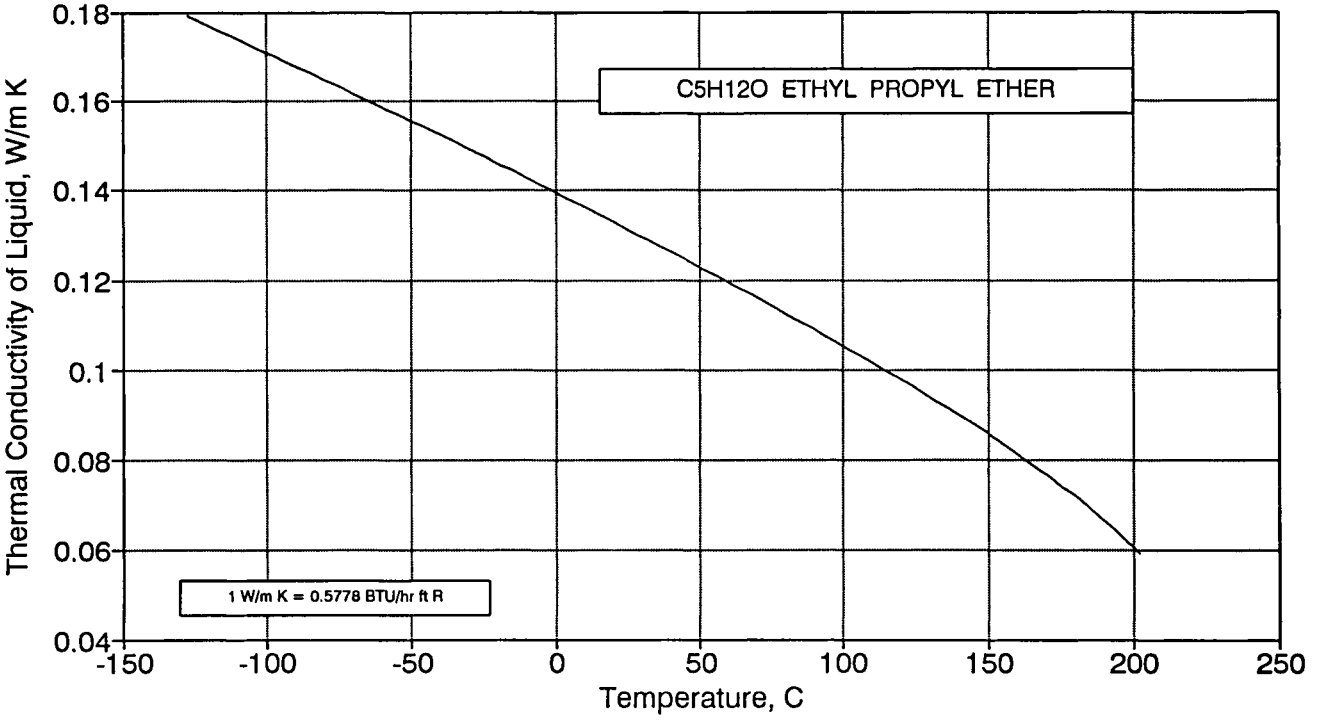

C5H12O METHYL tert-BUTYL ETHER
Thermal Conductivity of Gas, W/m K
0.12
0.1
0.08
0.06
0.04
0.02
0
-100
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

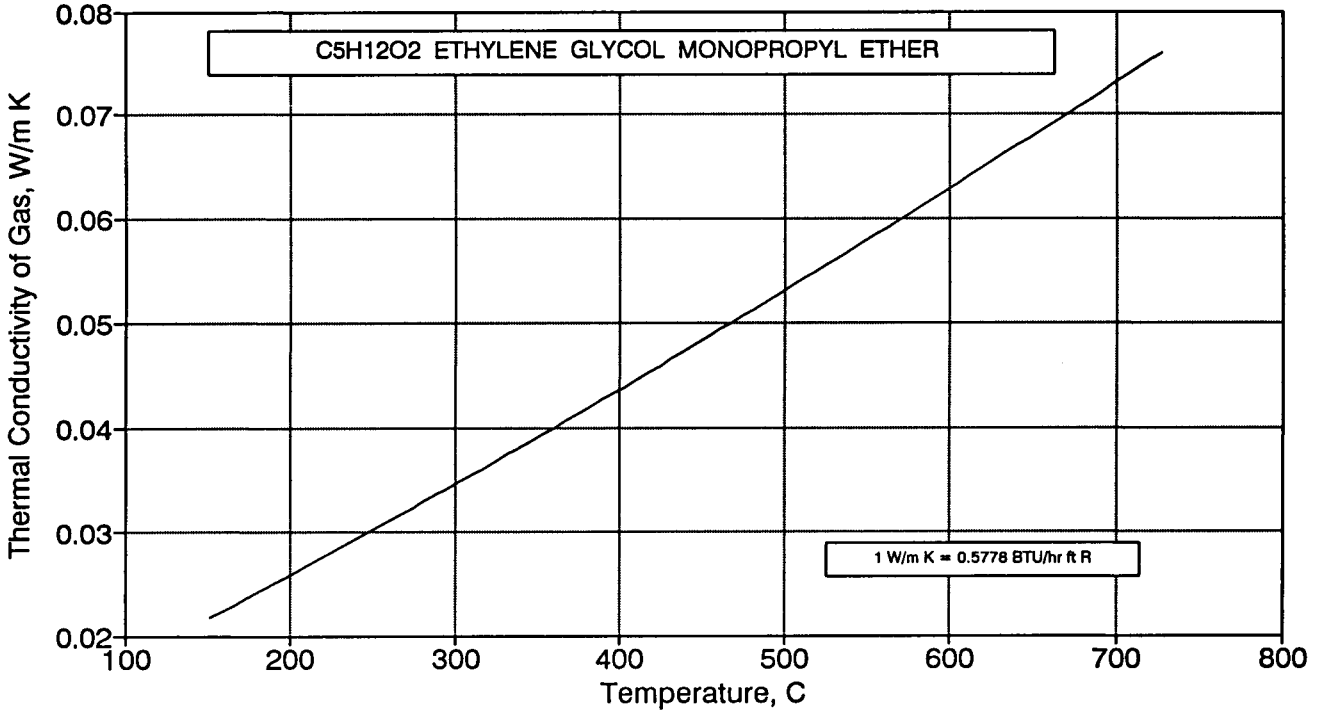

C5H12O METHYL tert-BUTYL ETHER
Thermal Conductivity of Liquid, W/m K
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
-150
-100
-50
0
50
100
150
200
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

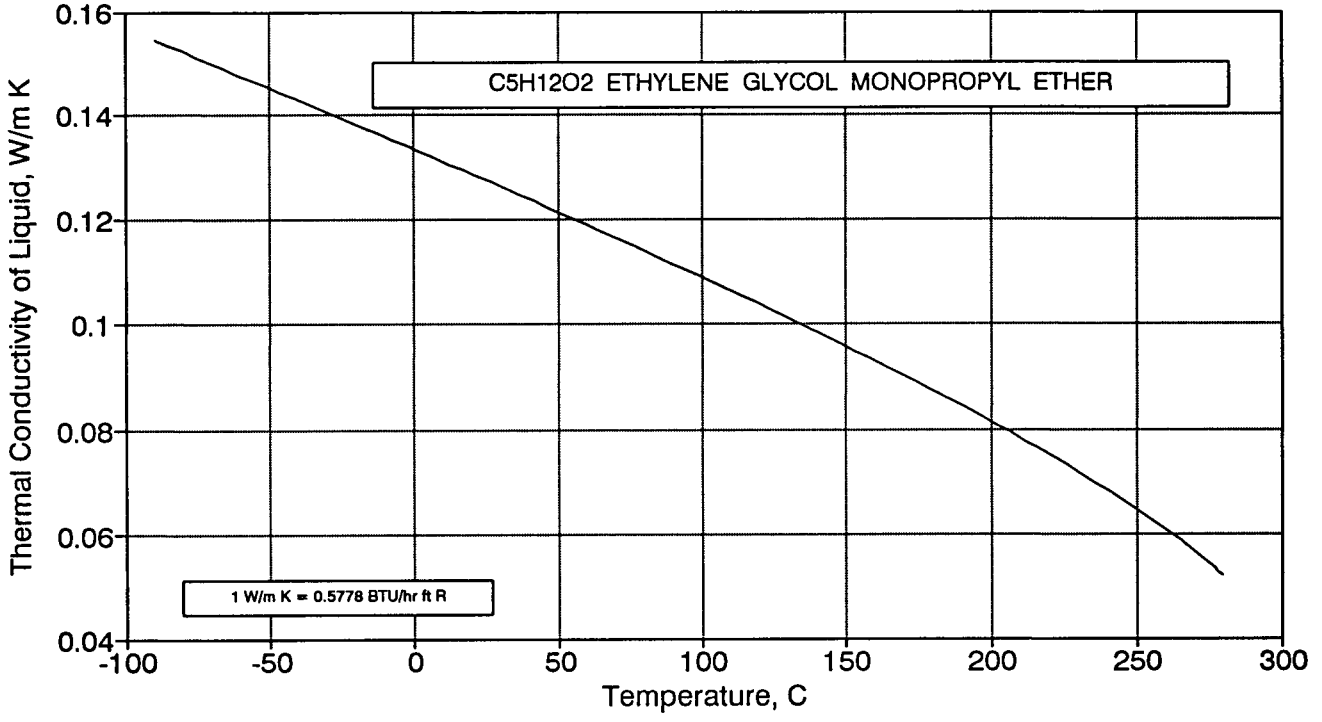

C5H12O METHYL ISOBUTYL ETHER
Thermal Conductivity of Gas, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

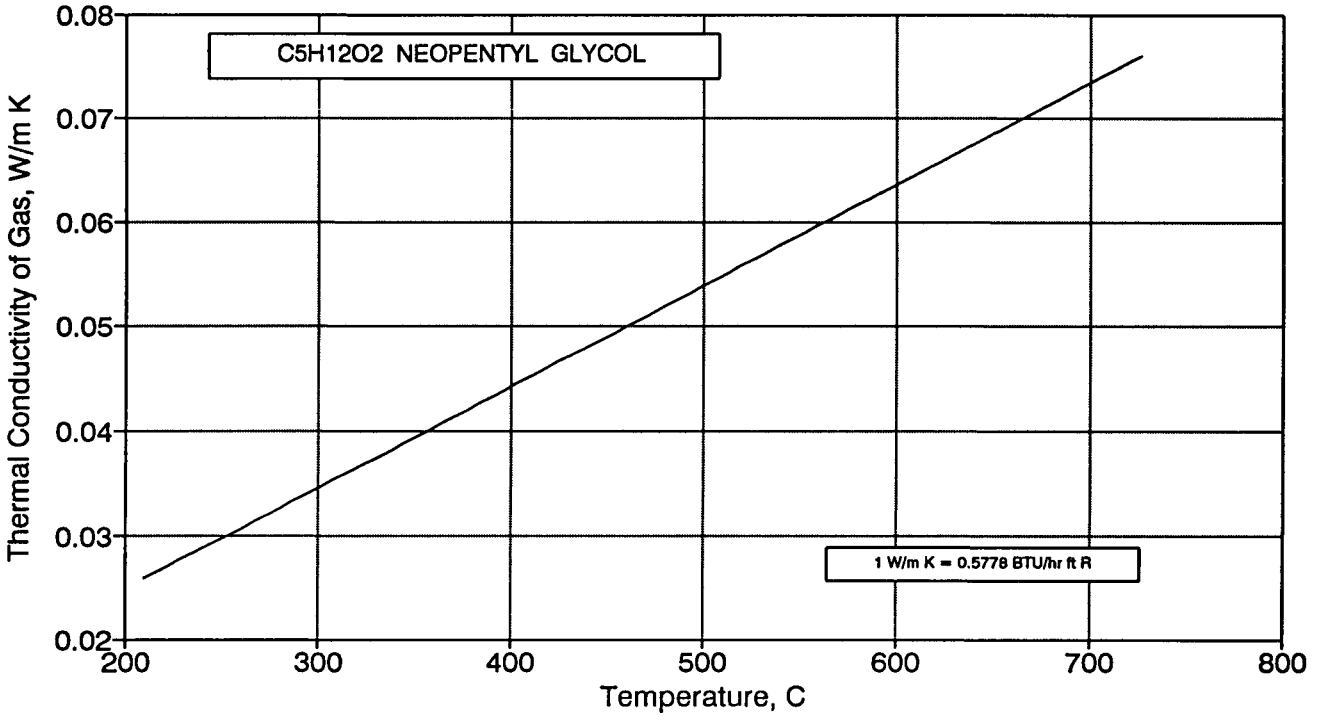

C5H12O METHYL ISOBUTYL ETHER
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

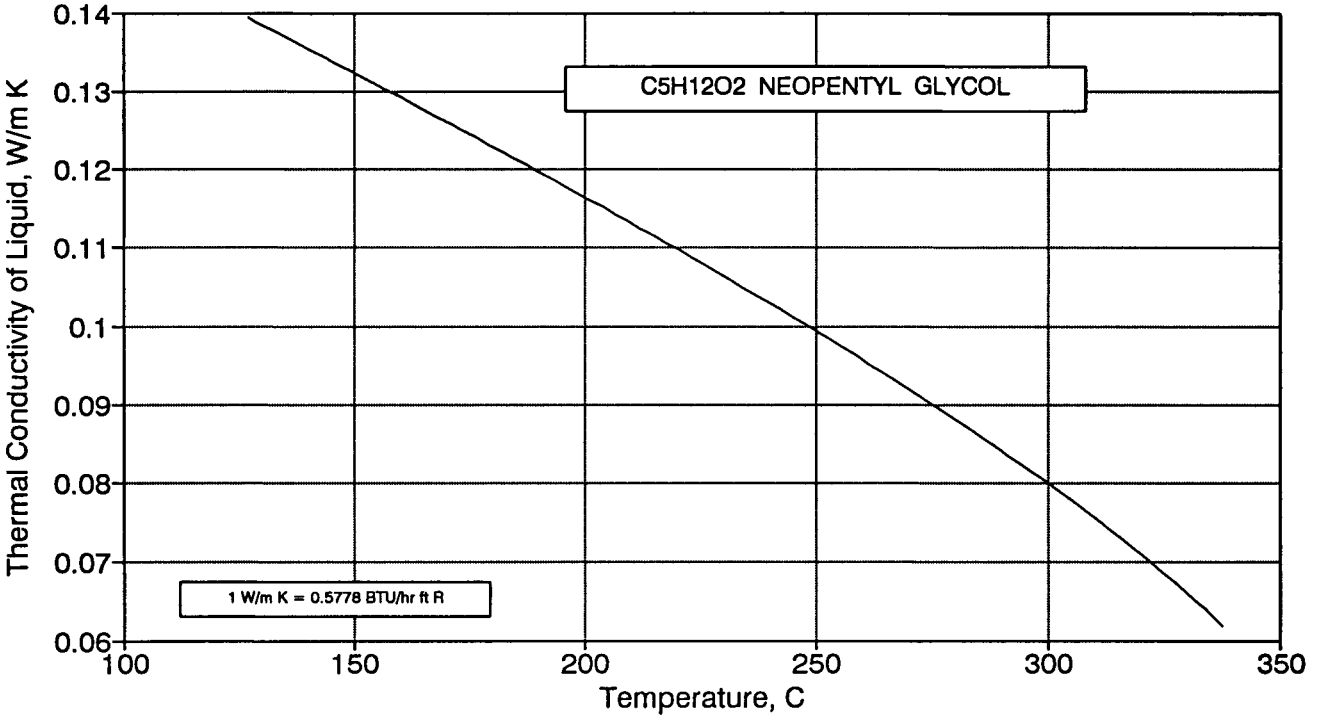

C5H12O ETHYL PROPYL ETHER
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0
50
100
150
200
250
300
Temperature, C

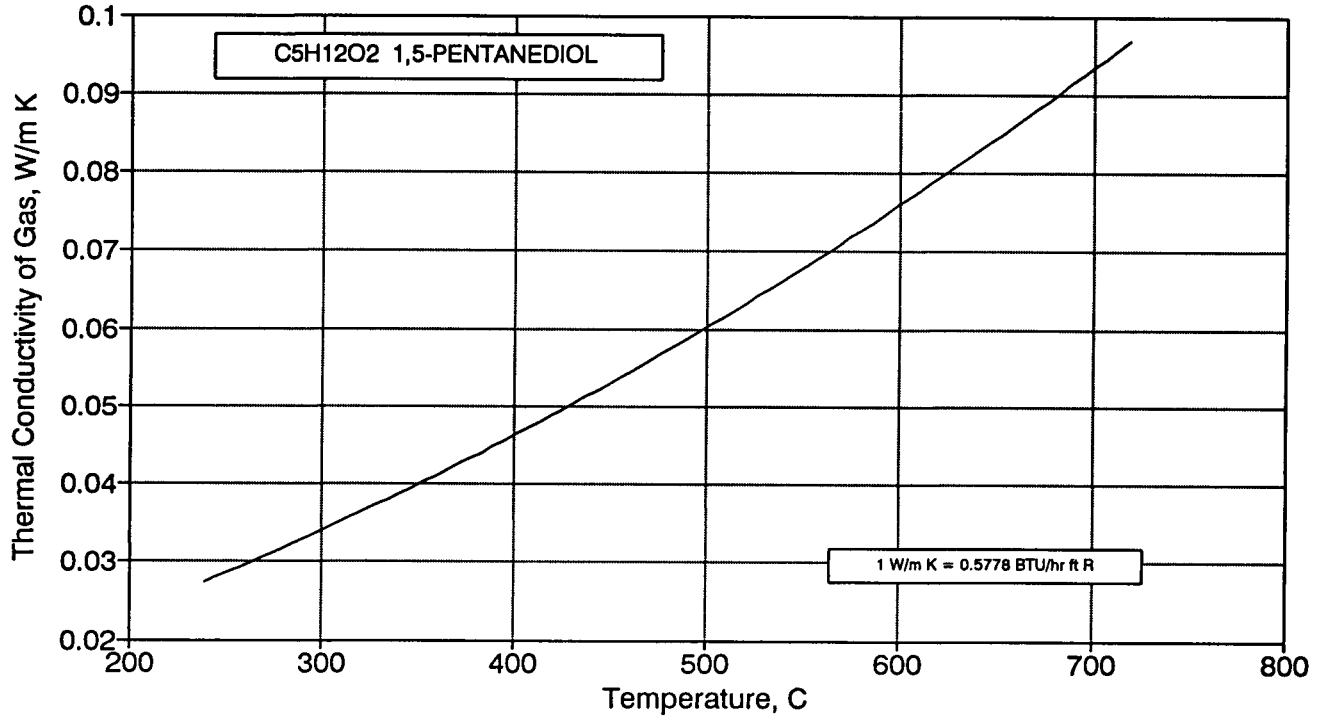

C5H12O ETHYL PROPYL ETHER
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C

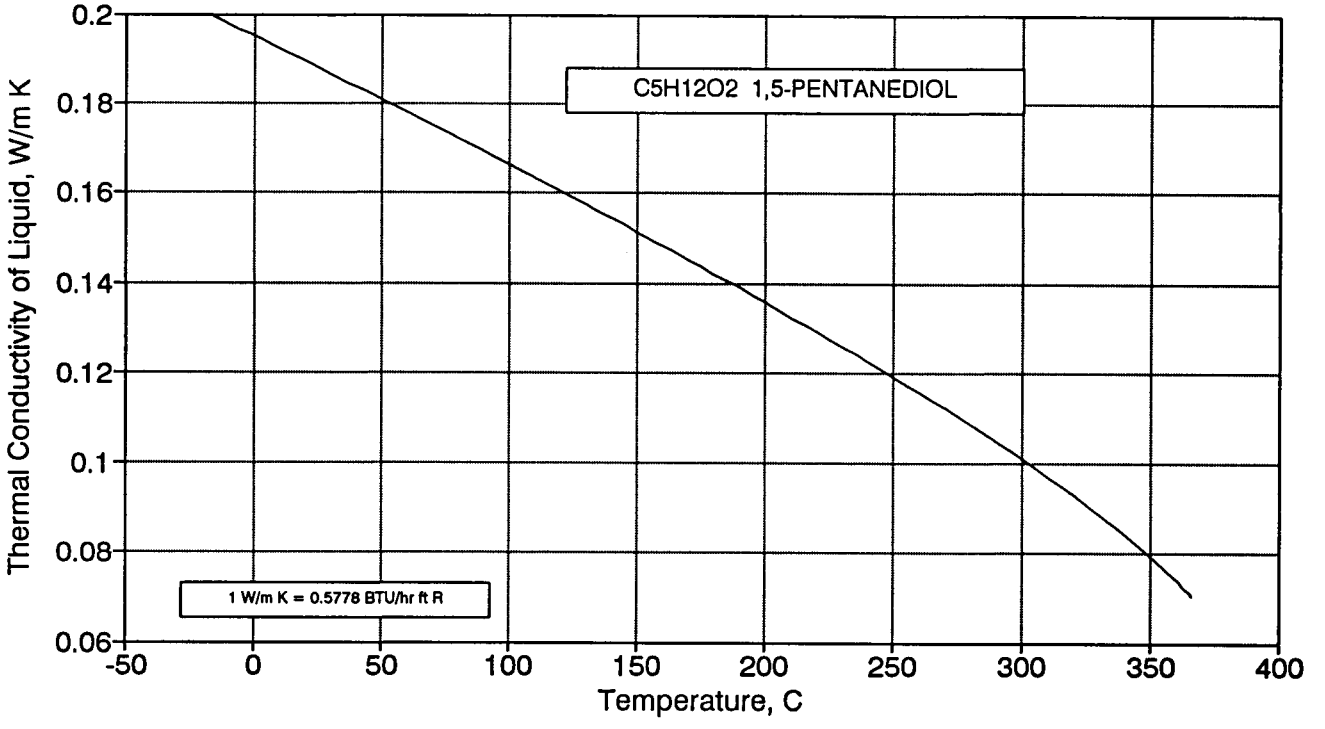

C5H12O2 ETHYLENE GLYCOL MONOPROPYL ETHER
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800
Temperature, C

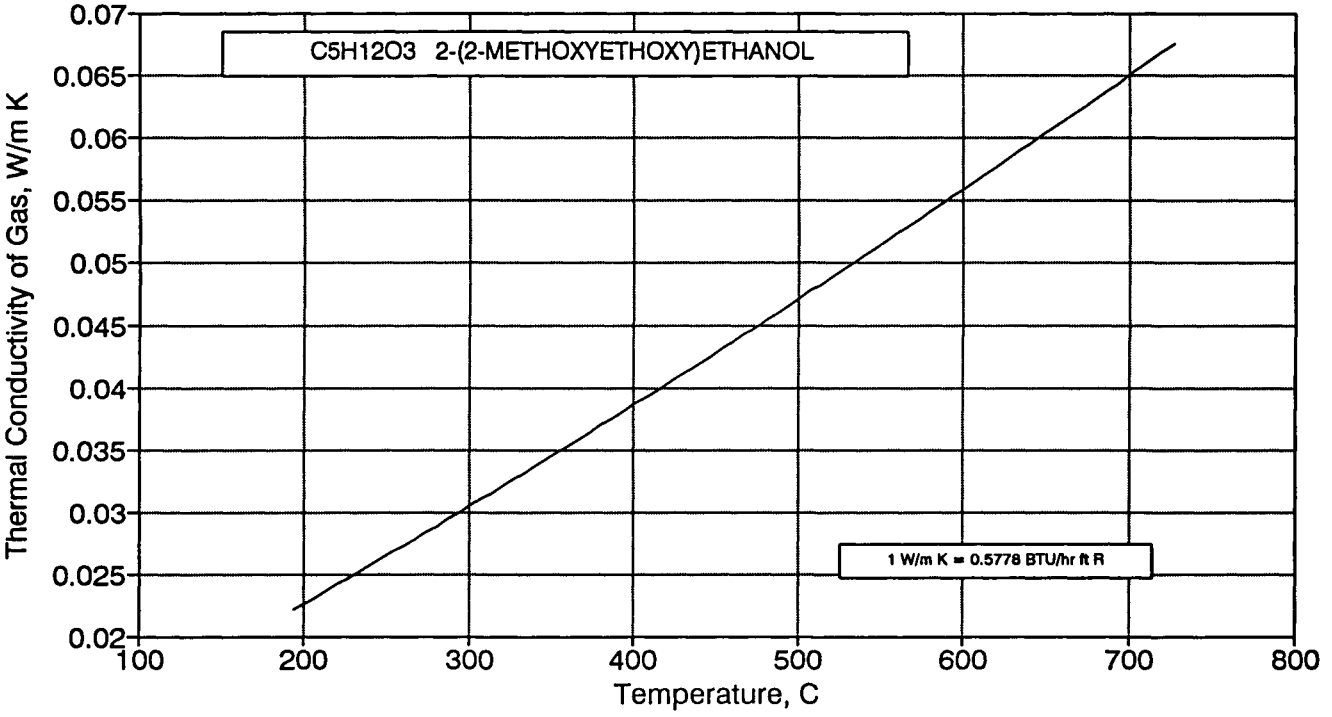

C5H12O2 ETHYLENE GLYCOL MONOPROPYL ETHER
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
Temperature, C

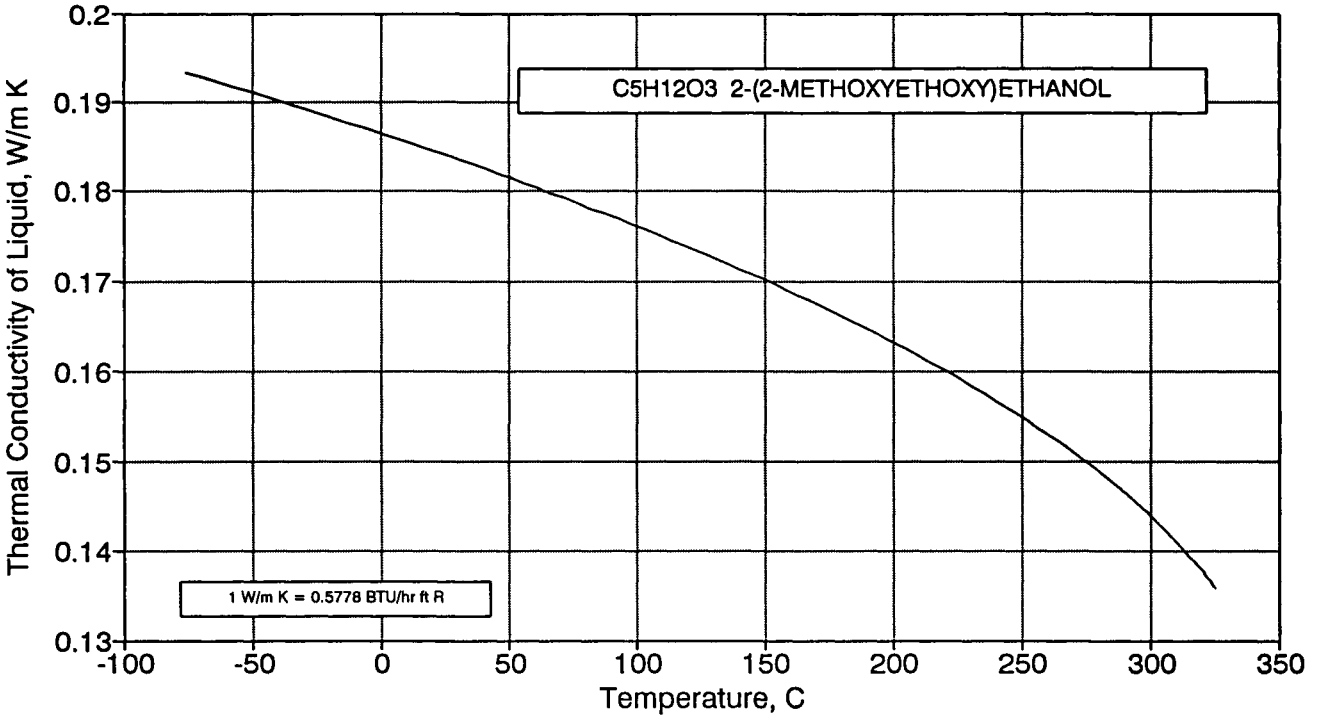

C5H12O2 NEOPENTYL GLYCOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
200
300
400
500
600
700
800
Temperature, C

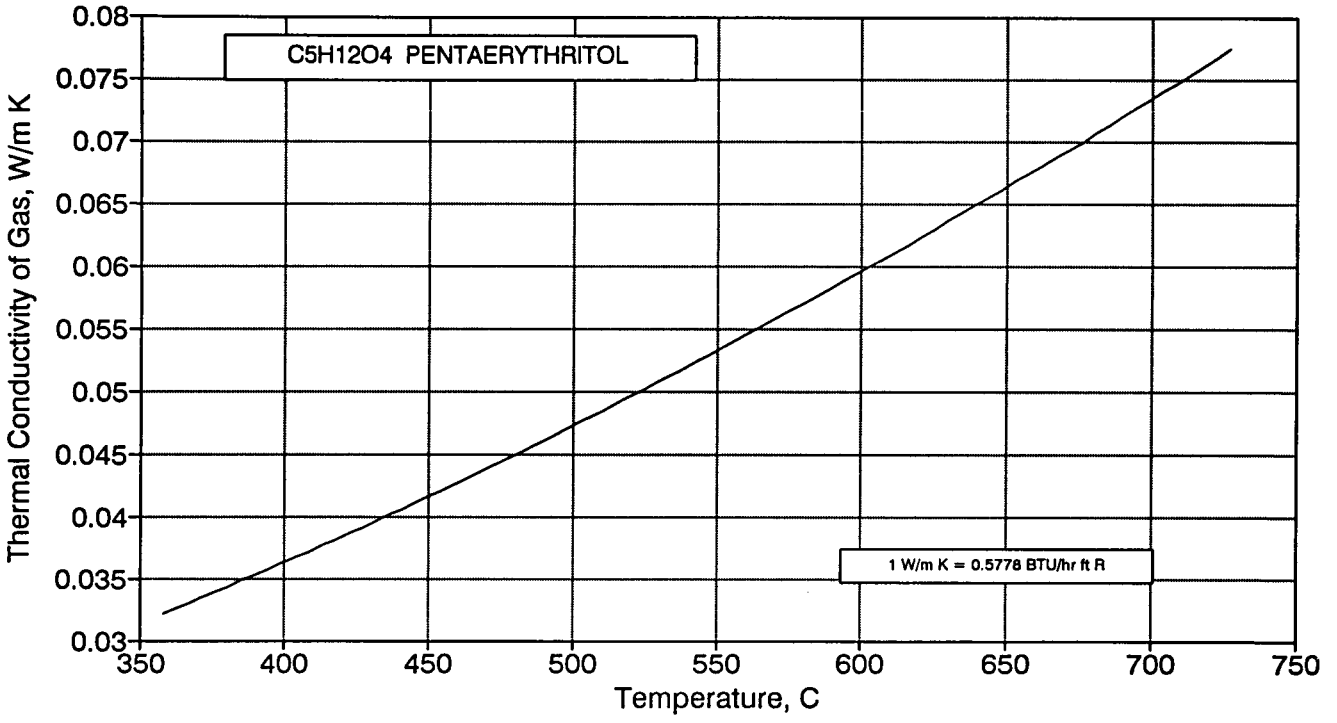

C5H12O2 NEOPENTYL GLYCOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
100
150
200
250
300
350
Temperature, C

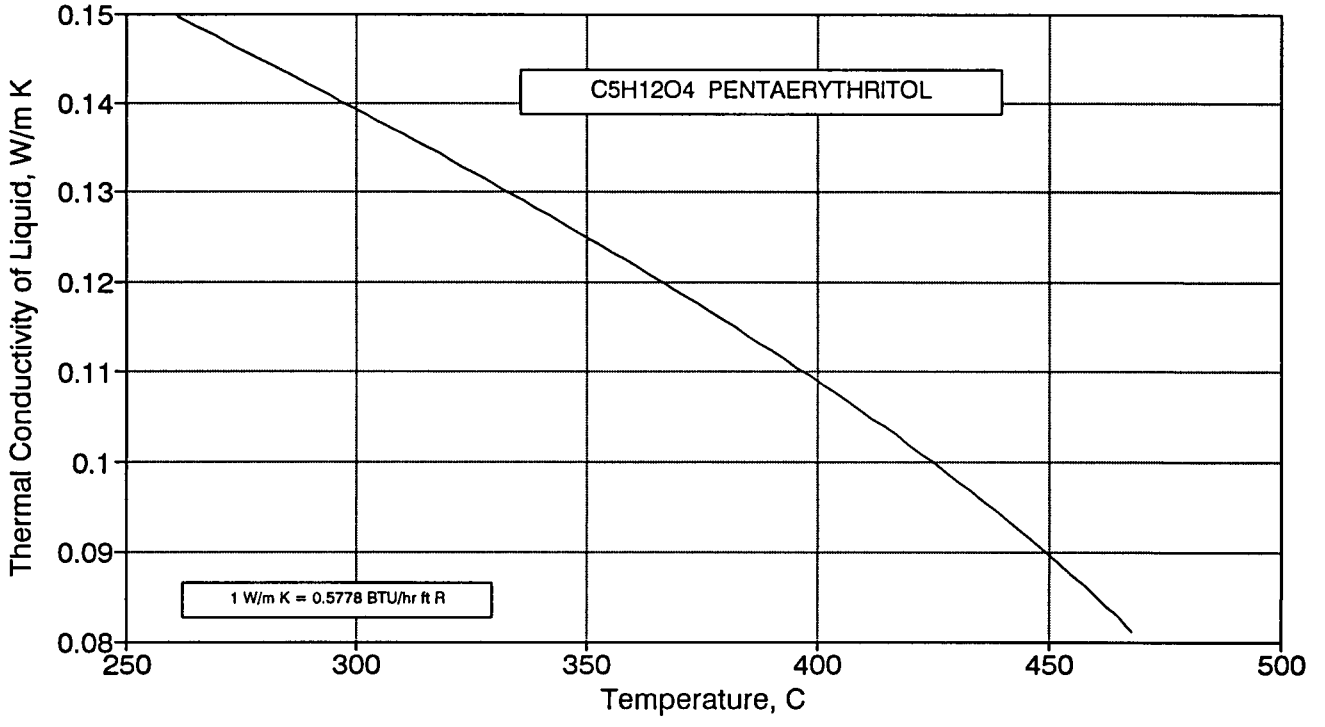

C5H12O2 1,5-PENTANEDIOL
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

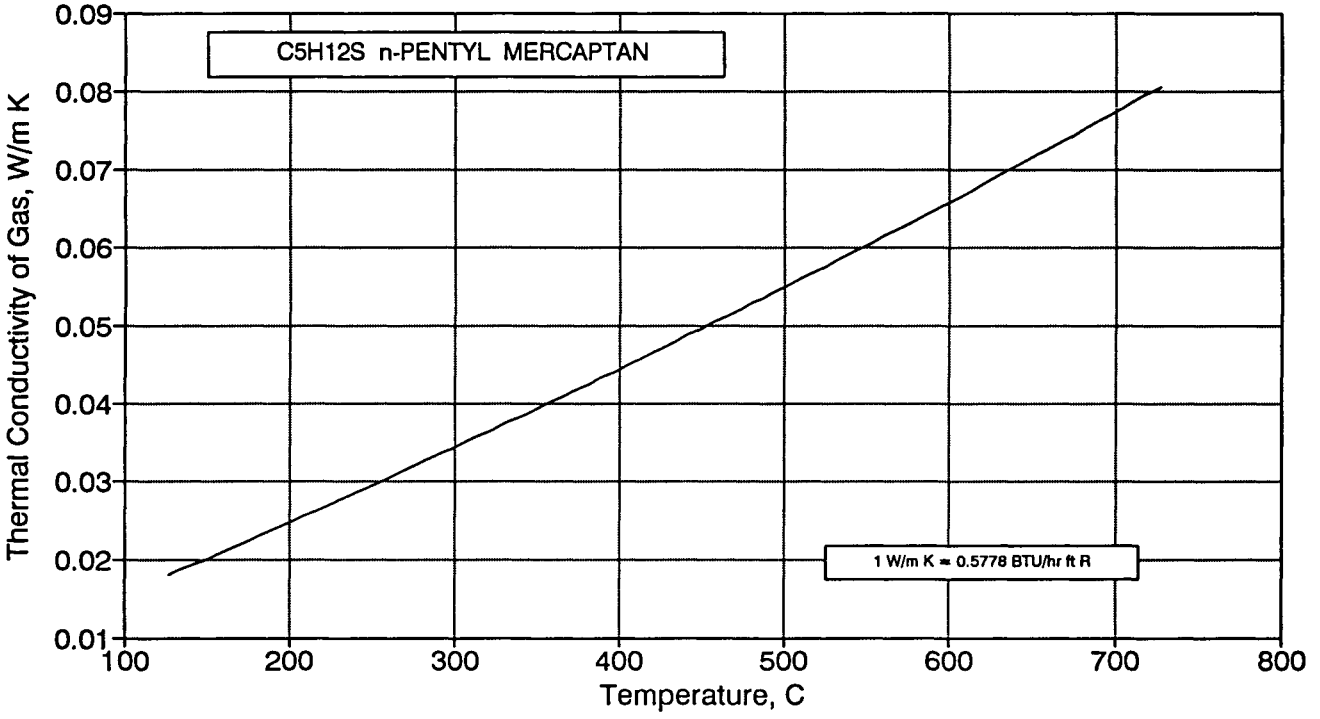

C5H12O2 1,5-PENTANEDIOL
Thermal Conductivity of Liquid, W/m K
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-50
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

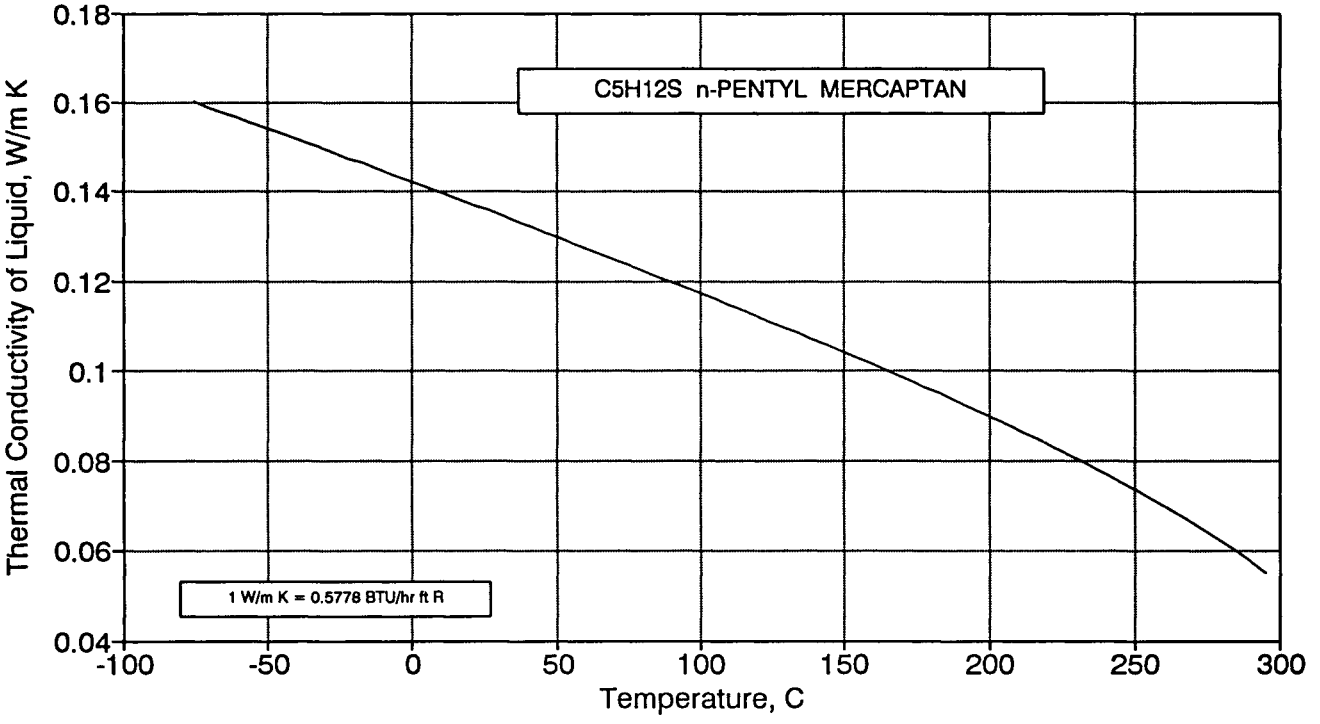

C5H12O3 2-(2-METHOXYETHOXY)ETHANOL
Thermal Conductivity of Gas, W/m K
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

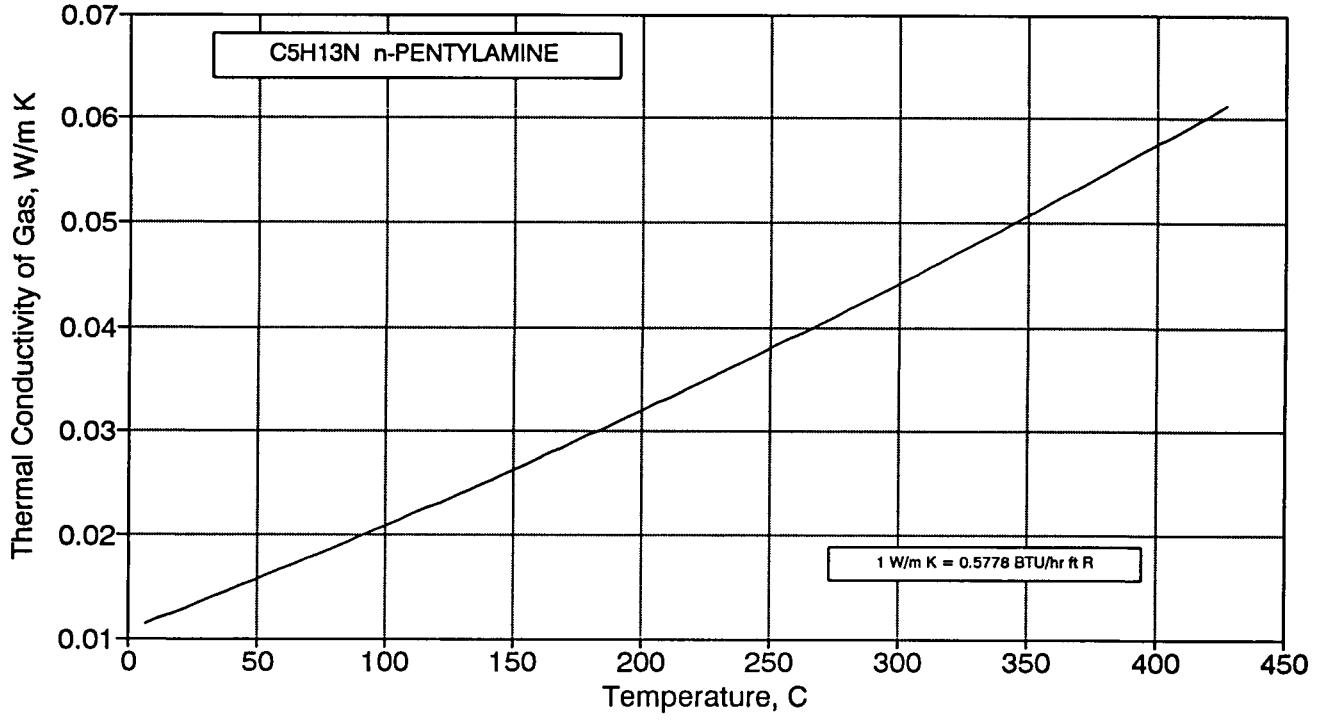

C5H12O3 2-(2-METHOXYETHOXY)ETHANOL
Thermal Conductivity of Liquid, W/m K
0.2
0.19
0.18
0.17
0.16
0.15
0.14
0.13
-100
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

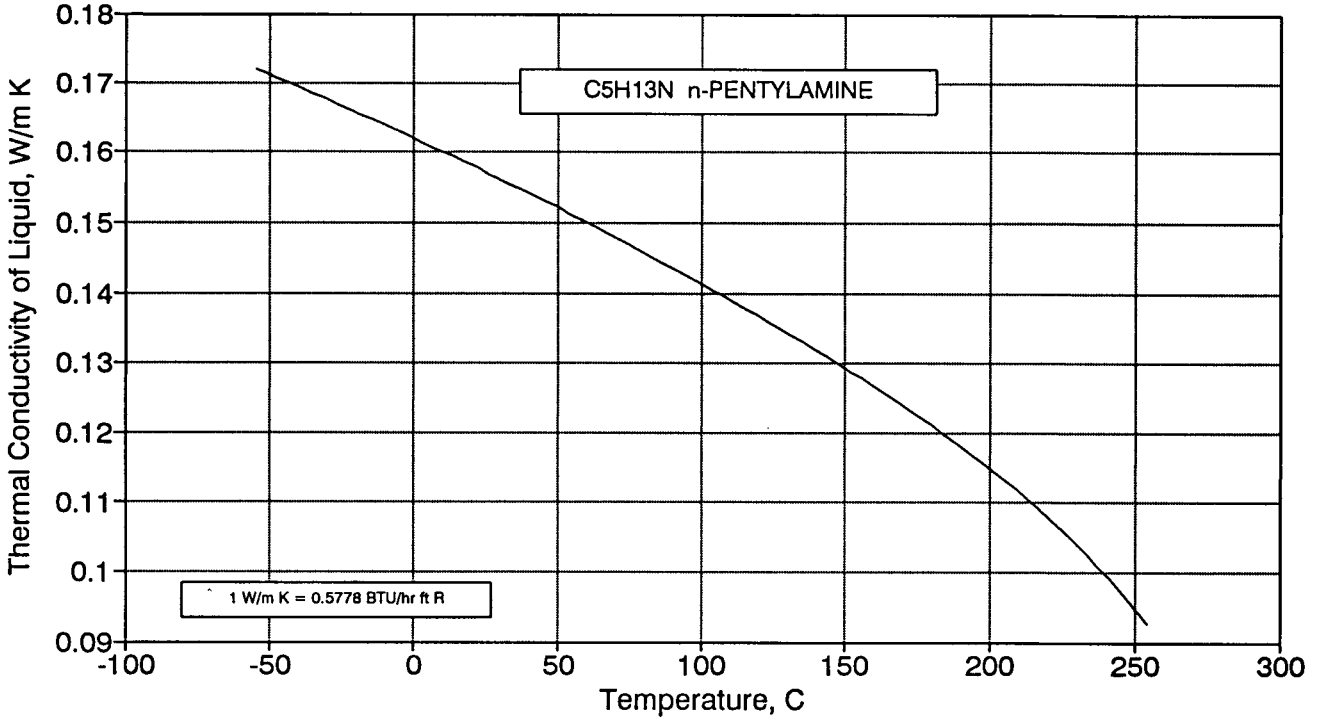

C5H12O4 PENTAERYTHRITOL
Thermal Conductivity of Gas, W/m K
0.08
0.075
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
350
400
450
500
550
600
650
700
750
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

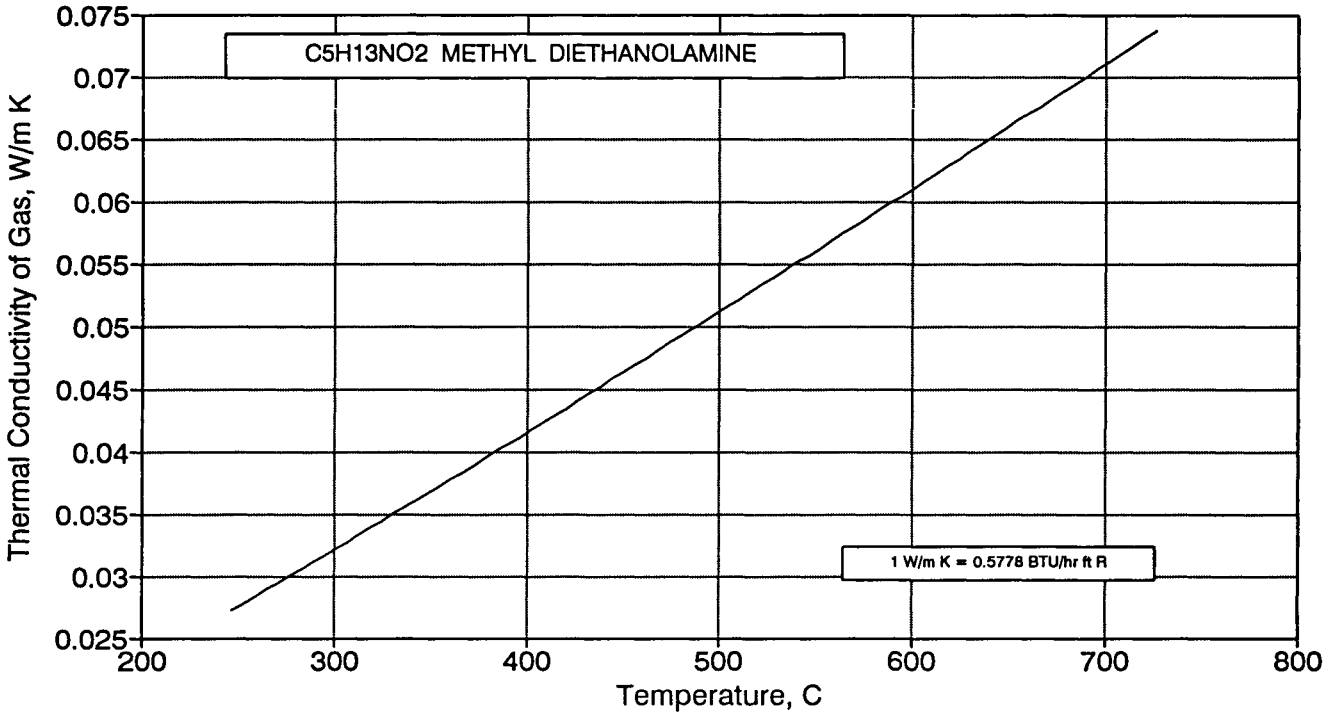

C5H12O4 PENTAERYTHRITOL
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
250
300
350
400
450
500
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

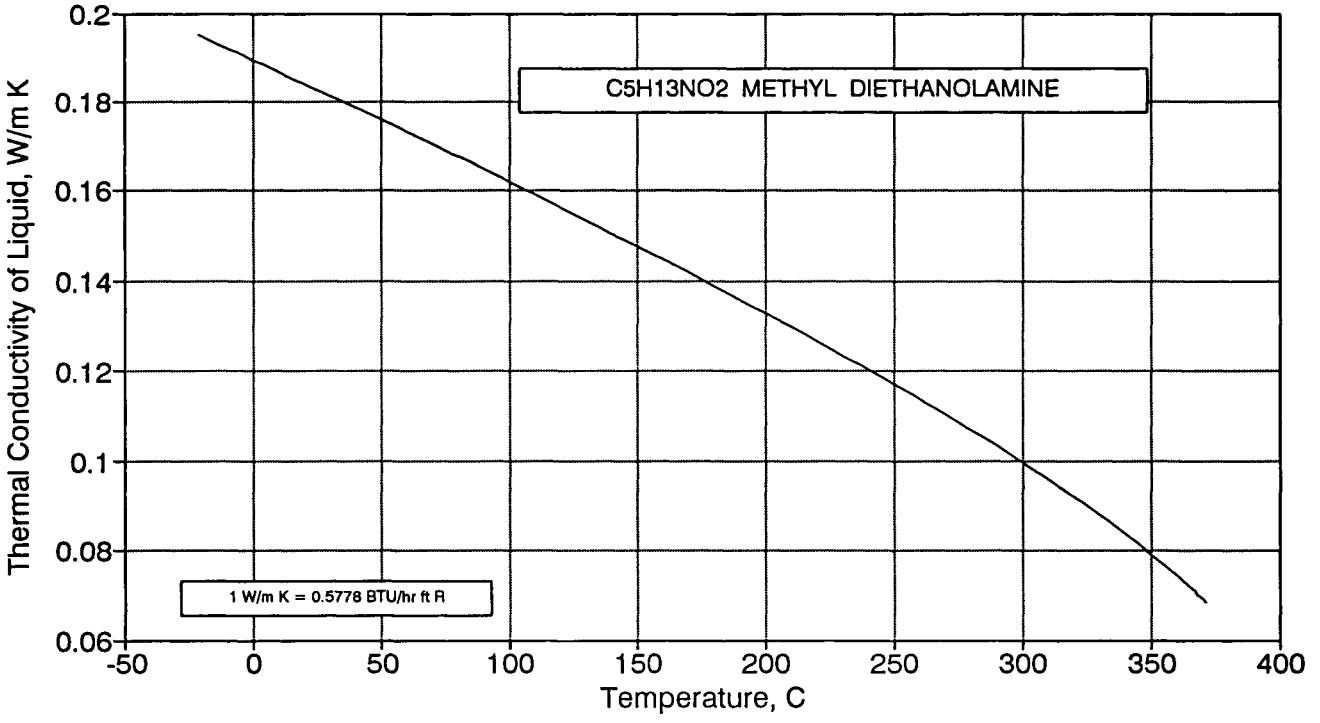

C5H12S n-PENTYL MERCAPTAN
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

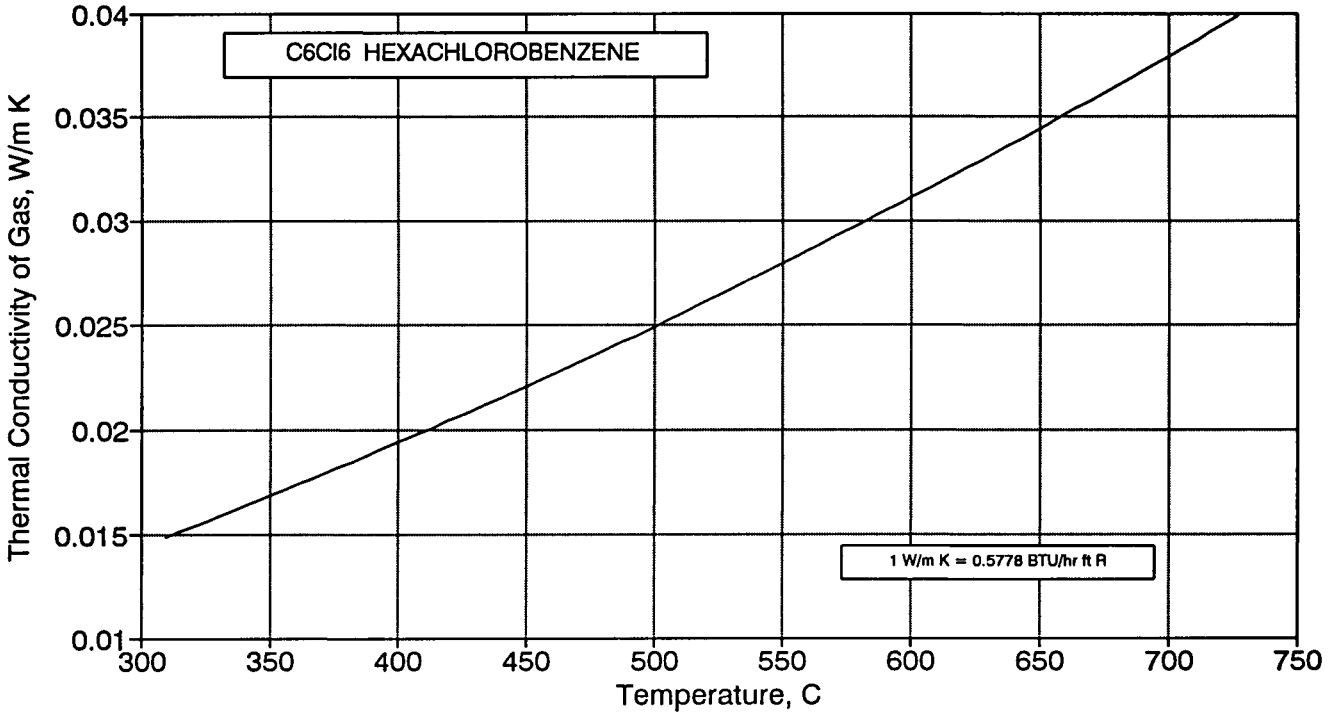

C5H12S n-PENTYL MERCAPTAN
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

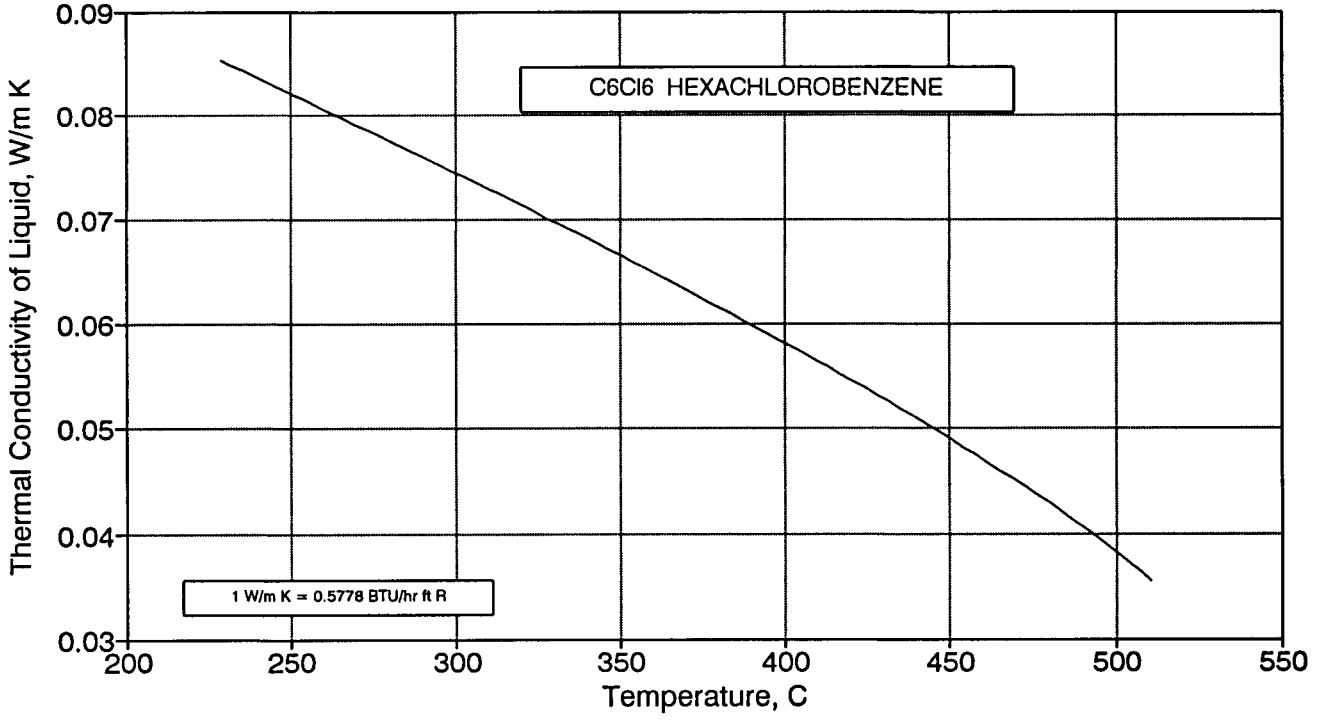

C5H13N n-PENTYLAMINE
Thermal Conductivity of Gas, W/m K
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
50
100
150
200
250
300
350
400
450
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

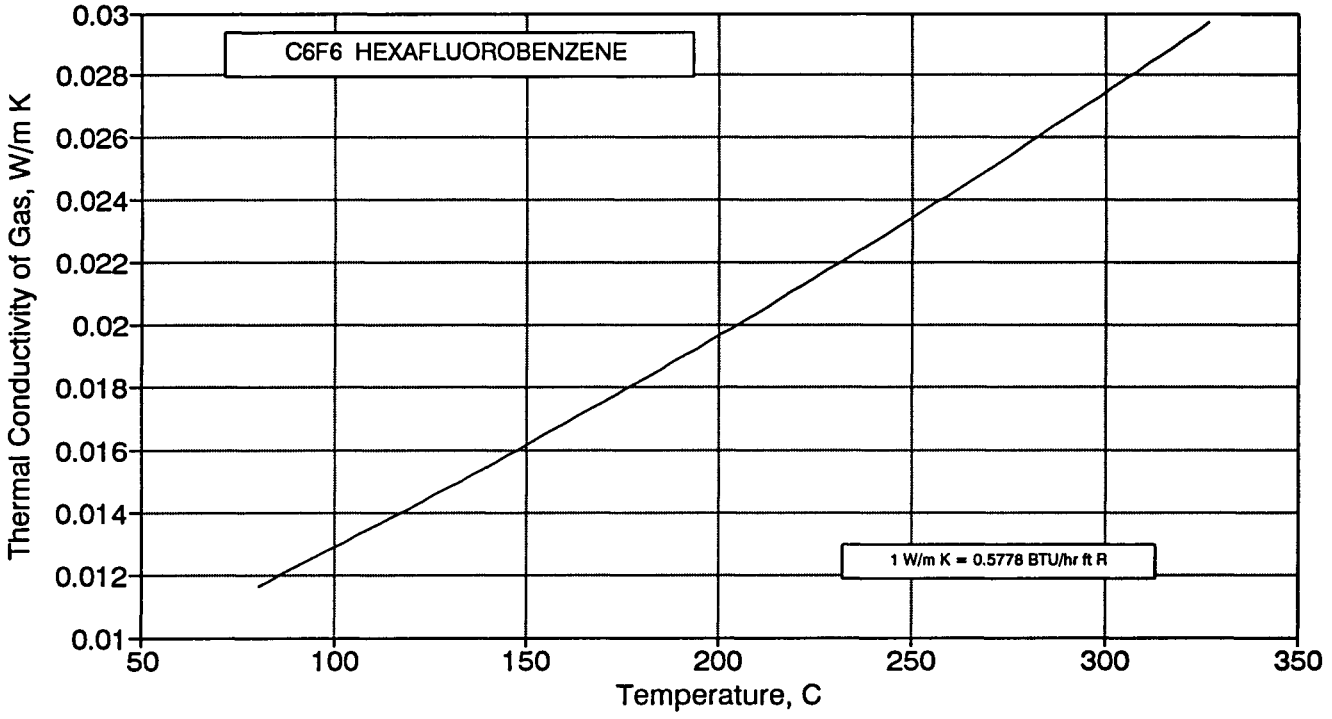

C5H13N n-PENTYLAMINE
Thermal Conductivity of Liquid, W/m K
0.18
0.17
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

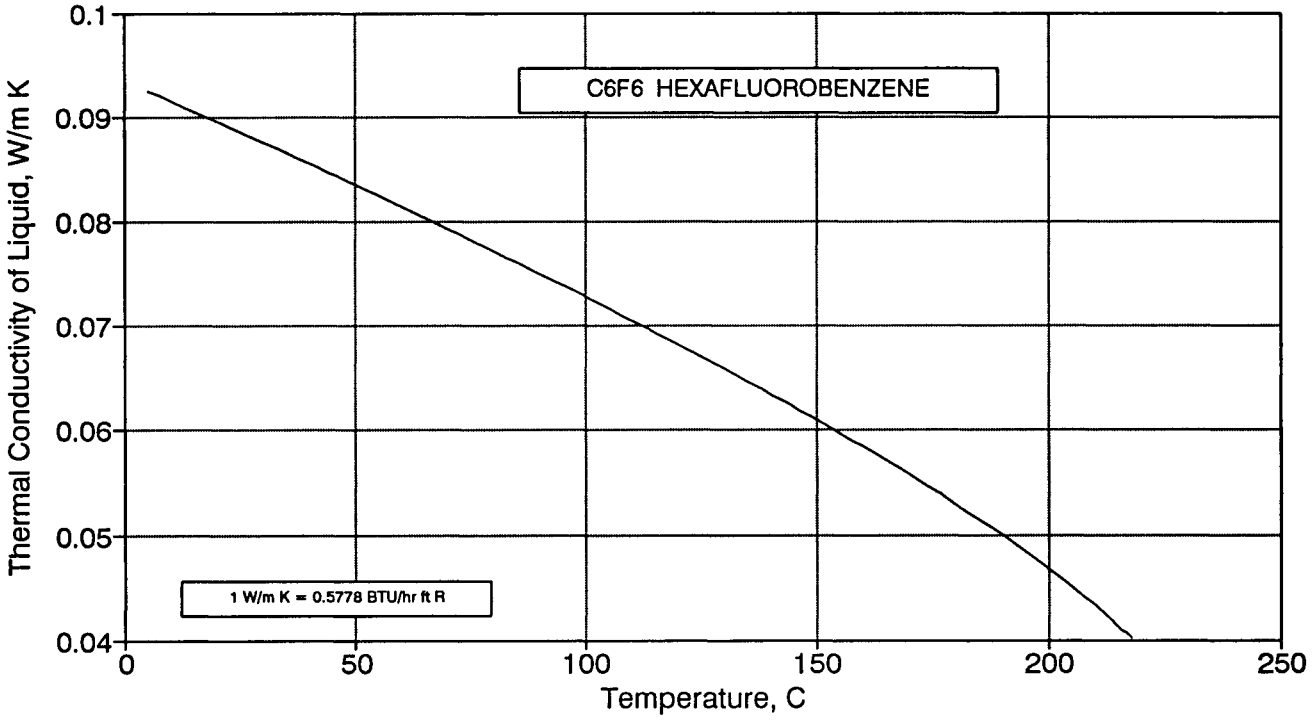

C5H13NO2 METHYL DIETHANOLAMINE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.075
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
200
300
400
500
600
700
800
Temperature, C


C5H13NO2 METHYL DIETHANOLAMINE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-50
0
50
100
150
200
250
300
350
400
Temperature, C


C6Cl6 HEXACHLOROBENZENE
Thermal Conductivity of Gas, W/m K
0.04
0.035
0.03
0.025
0.02
0.015
0.01
300
350
400
450
500
550
600
650
700
750
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6Cl6 HEXACHLOROBENZENE
Thermal Conductivity of Liquid, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
200
250
300
350
400
450
500
550
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6F6 HEXAFLUOROBENZENE
Thermal Conductivity of Gas, W/m K
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6F6 HEXAFLUOROBENZENE
Thermal Conductivity of Liquid, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

C6H3ClN2O4 1-CHLORO-2,4-DINITROBENZENE

One gas thermal conductivity value is available:
0.007971 W/m K @ 298.00

TF , K = 326.55

TB , K = 588.00

C6H3ClN2O4 1-CHLORO-2,4-DINITROBENZENE

Liquid thermal conductivity data are not available .

C6H3Cl2NO2 1,2-DICHLORO-4-NITROBENZENE

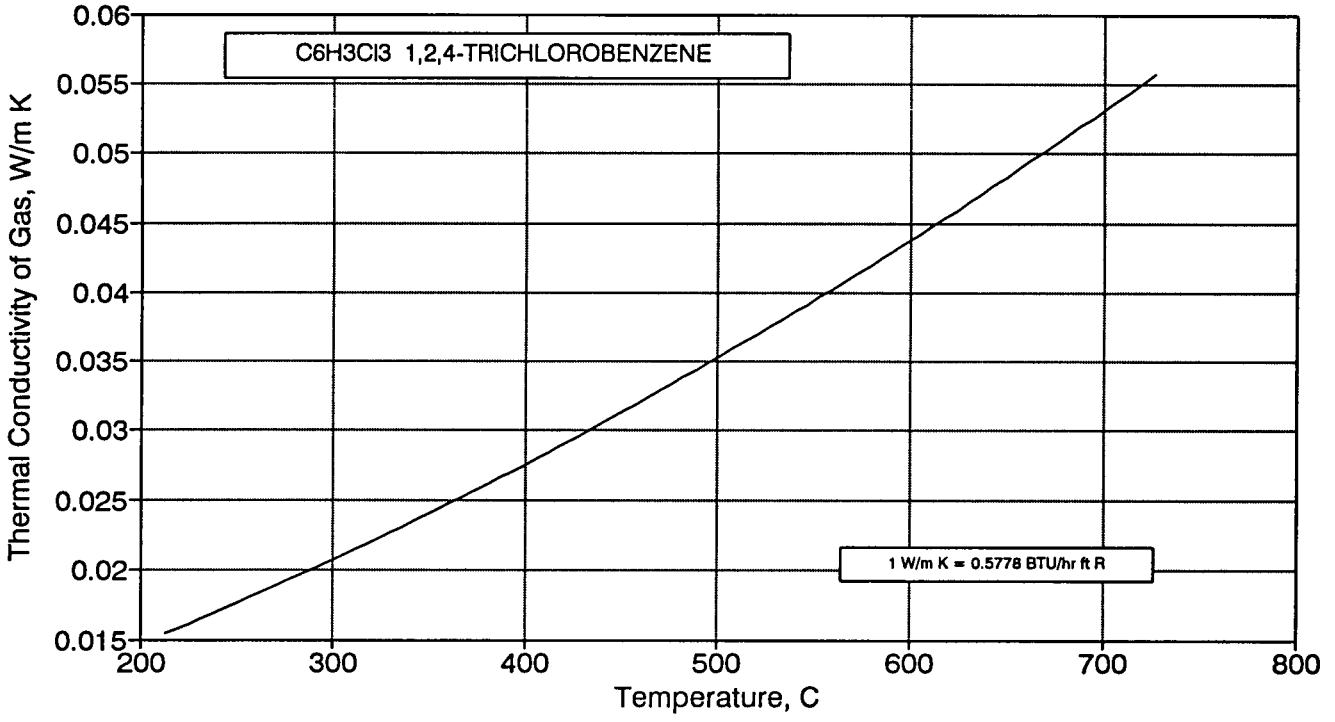
One gas thermal conductivity value is available:
0.007384 W/m K @ 298.00

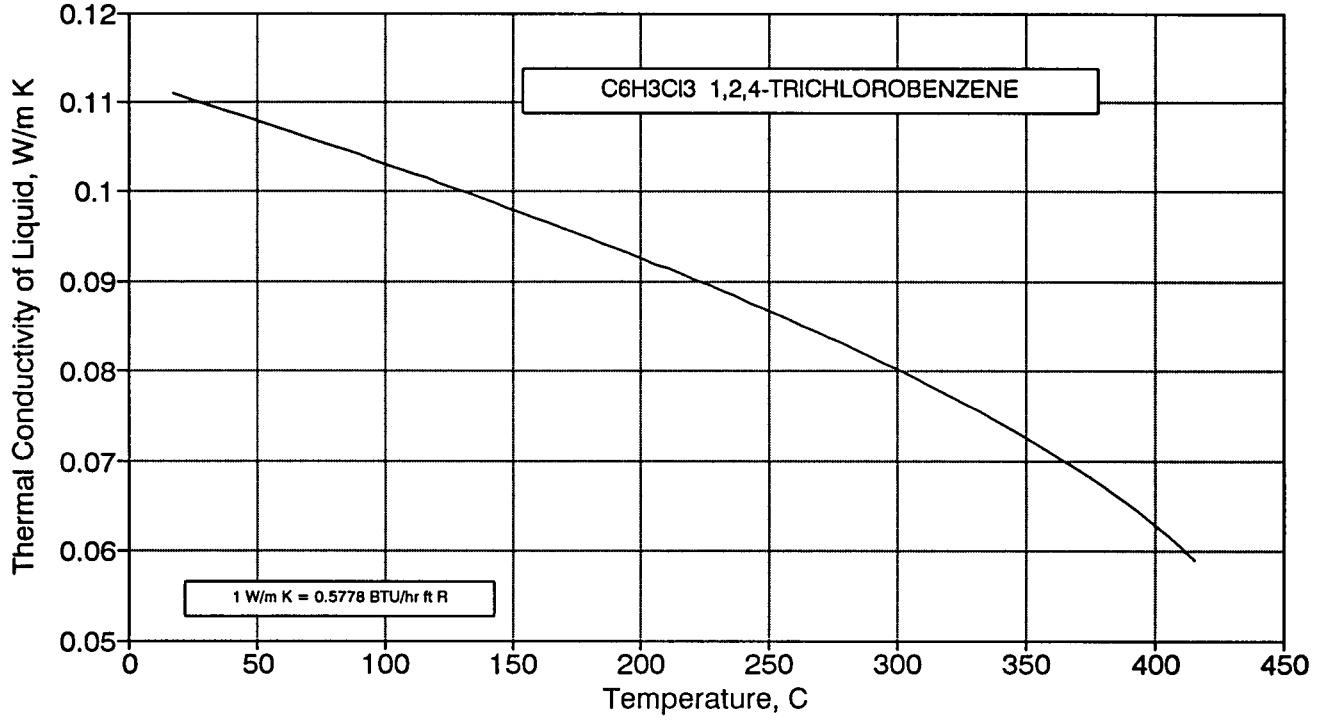
TF , K = 315.65

TB , K = 529.00

C6H3Cl2NO2 1,2-DICHLORO-4-NITROBENZENE

Liquid thermal conductivity data are not available .


C6H3Cl3 1,2,4-TRICHLOROBENZENE
Thermal Conductivity of Gas, W/m K
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H3Cl3 1,2,4-TRICHLOROBENZENE
Thermal Conductivity of Liquid, W/m K
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0
50
100
150
200
250
300
350
400
450
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

C6H3N3O6 1,3,5-TRINITROBENZENE

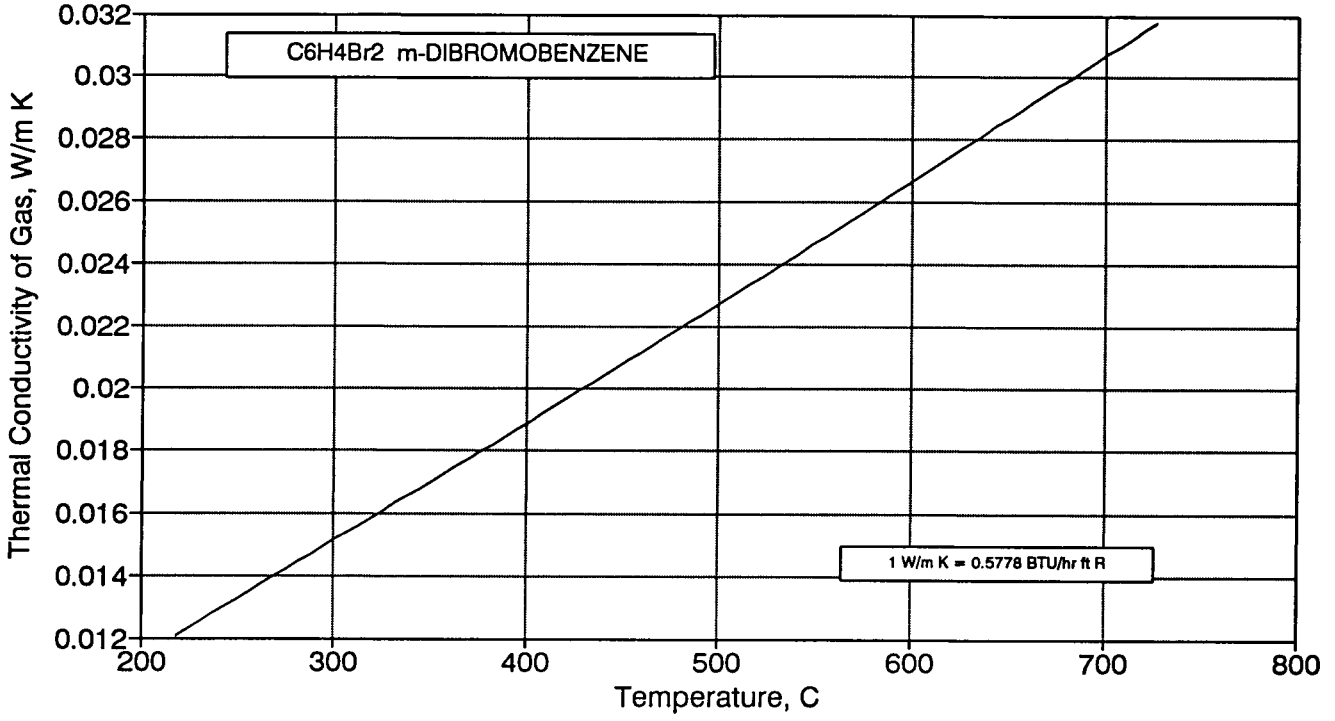
Gas thermal conductivity data are not available .

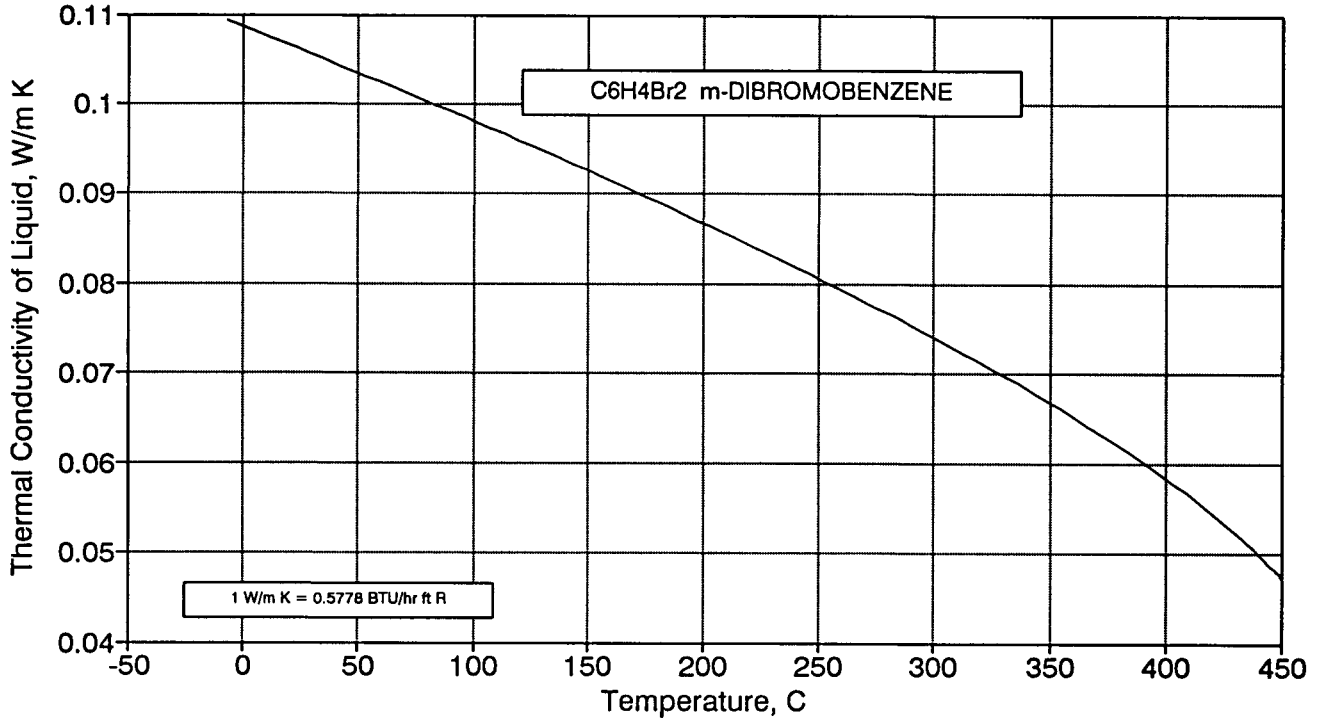
TF , K = 398.4

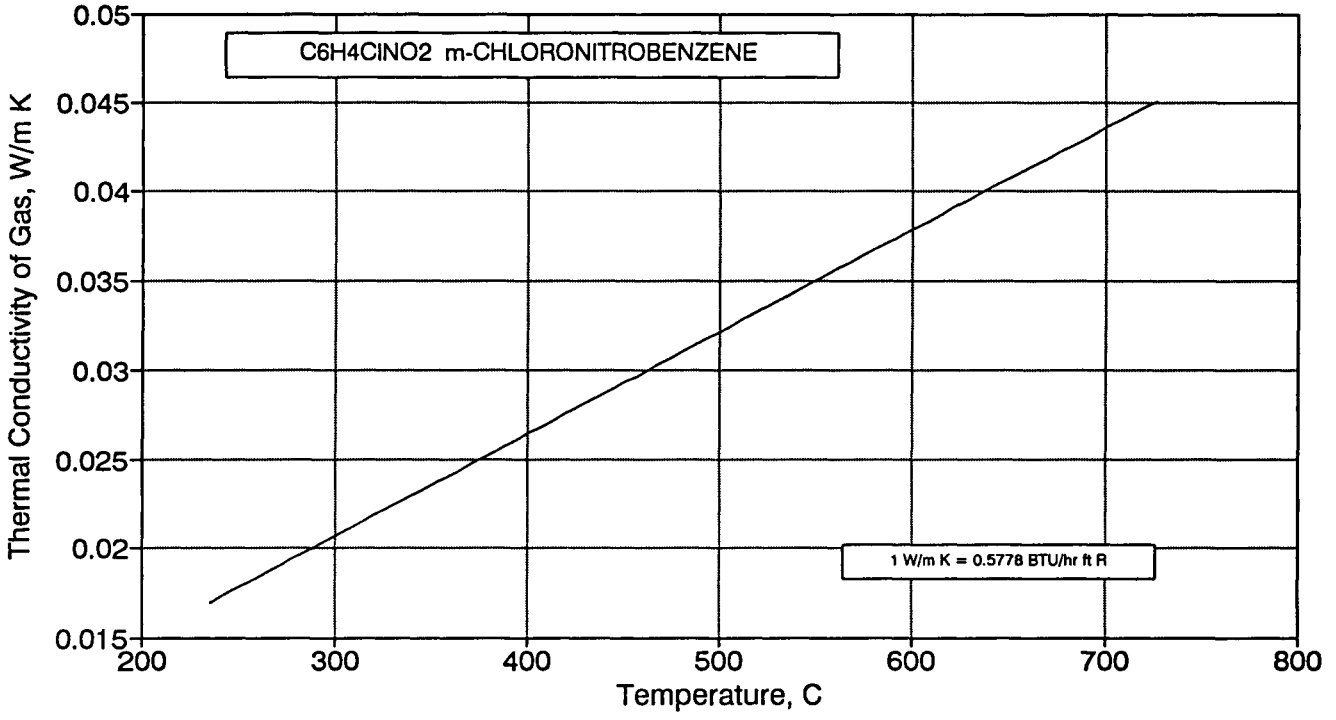
TB , K = 748.00 (estimated)

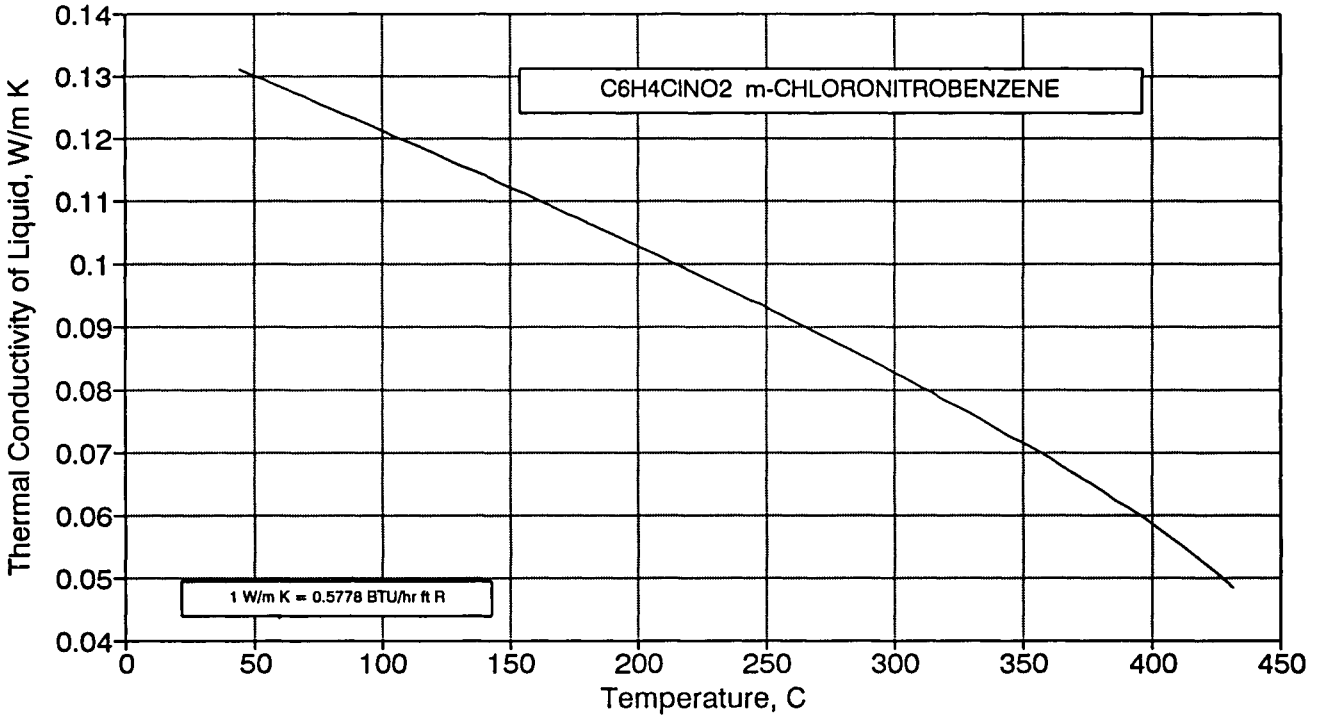
C6H3N3O6 1,3,5-TRINITROBENZENE

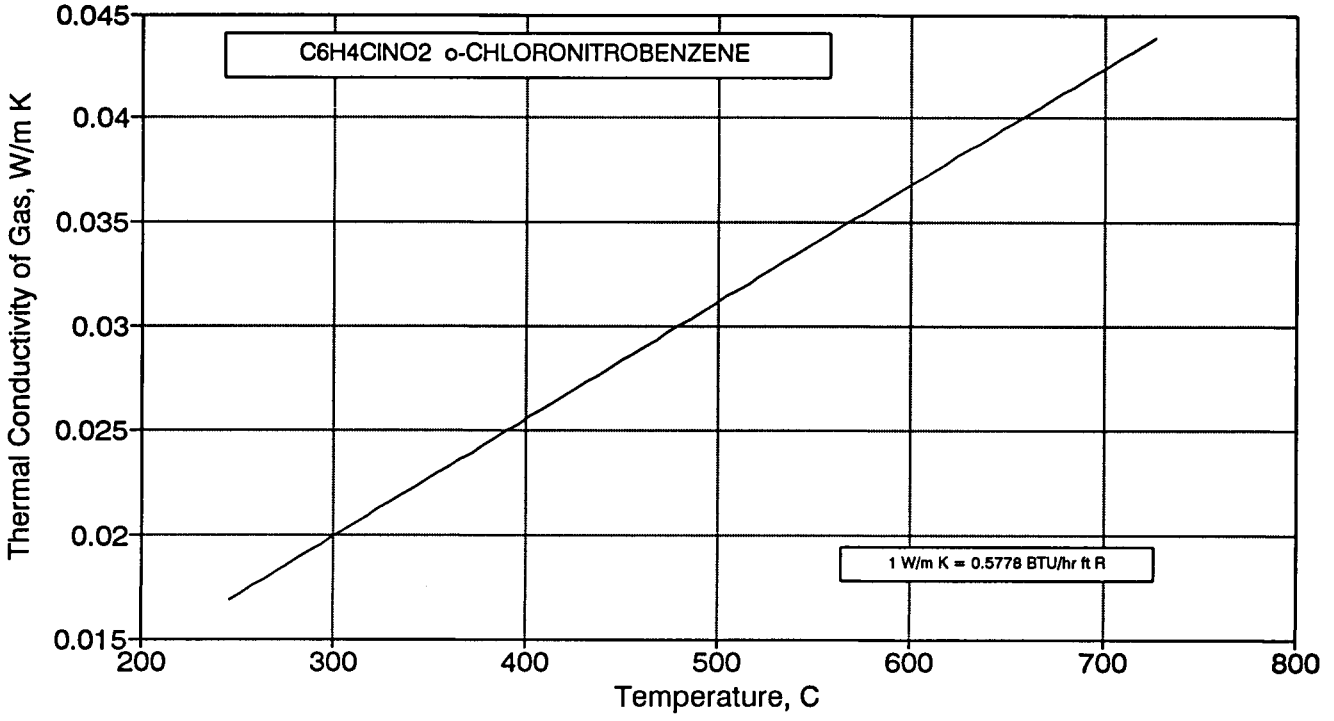
Liquid thermal conductivity data are not available .

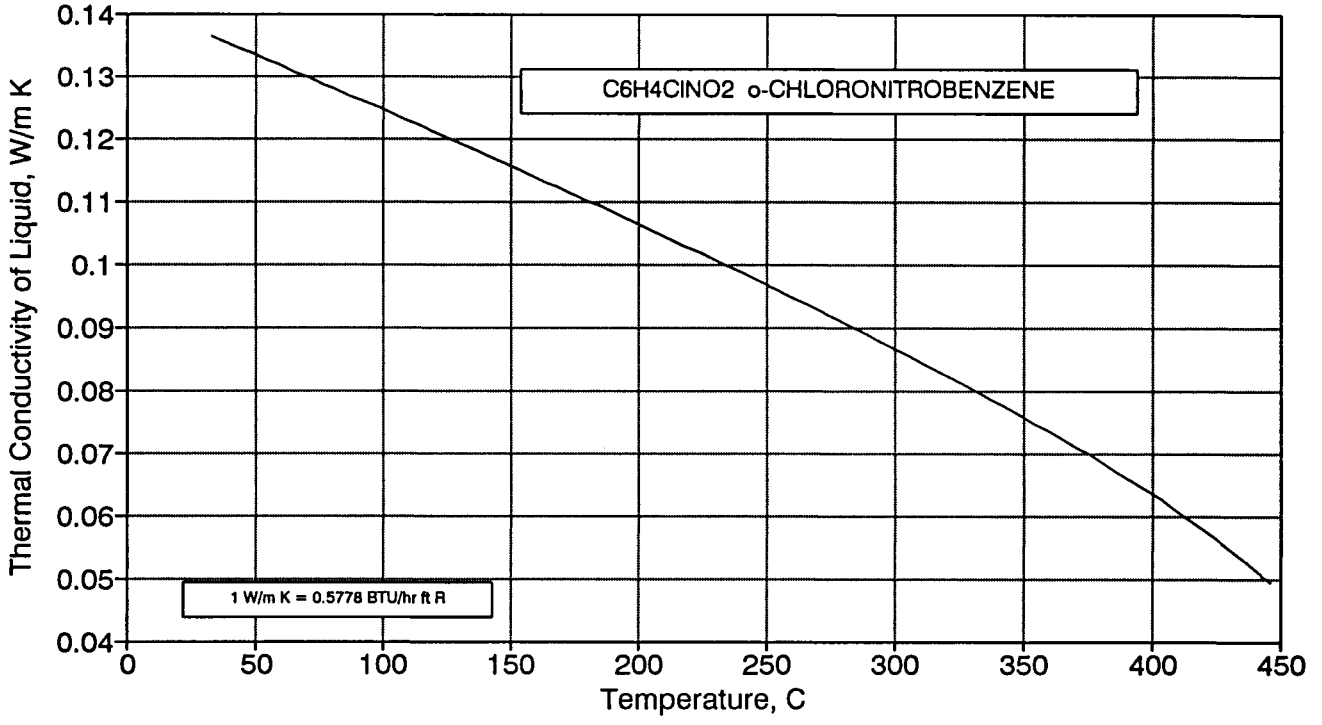

C6H4Br2 m-DIBROMOBENZENE
Thermal Conductivity of Gas, W/m K
0.032
0.03
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

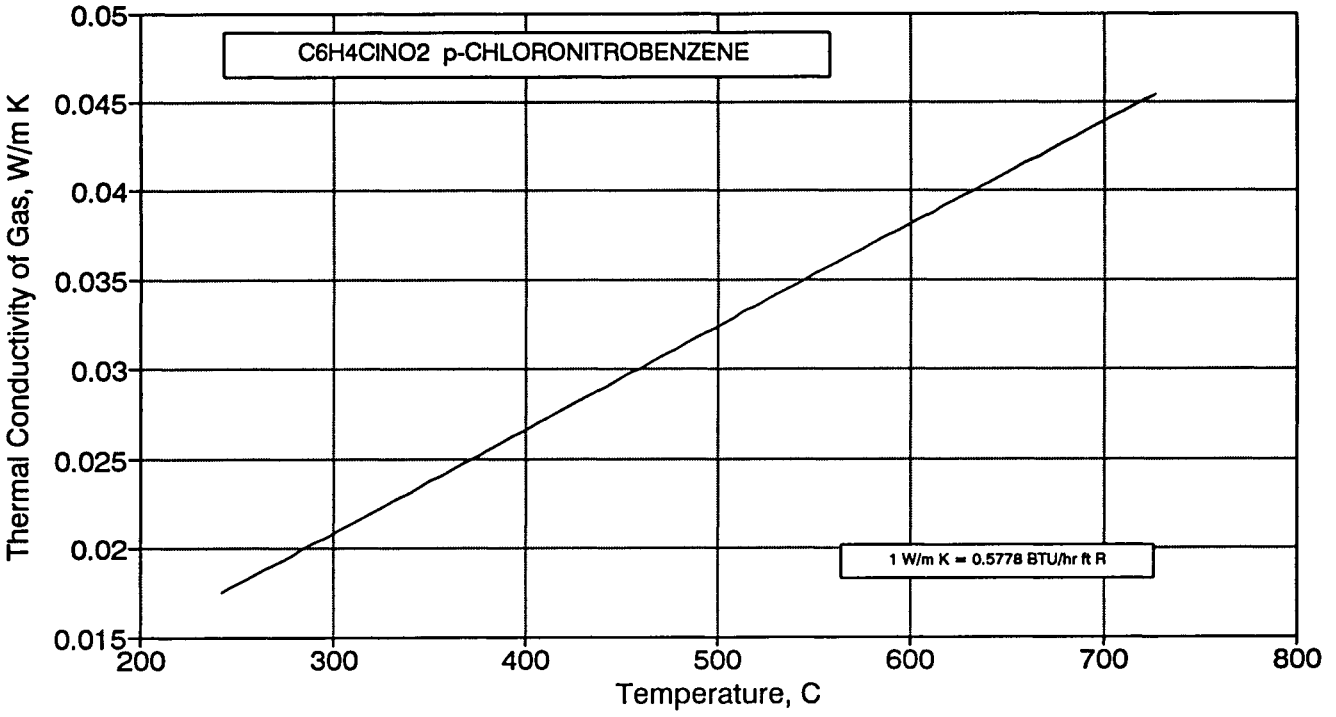

C6H4Br2 m-DIBROMOBENZENE
Thermal Conductivity of Liquid, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-50
0
50
100
150
200
250
300
350
400
450
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

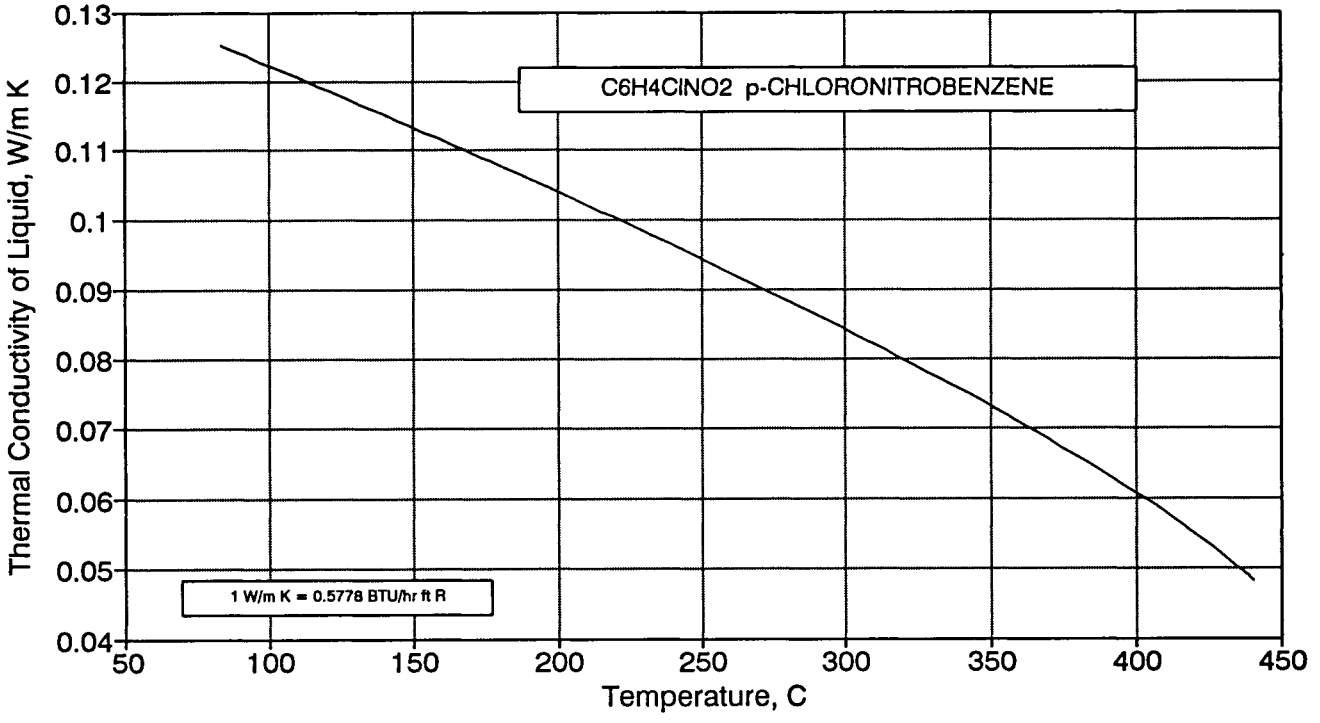

C6H4ClNO2 m-CHLORONITROBENZENE
Thermal Conductivity of Gas, W/m K
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

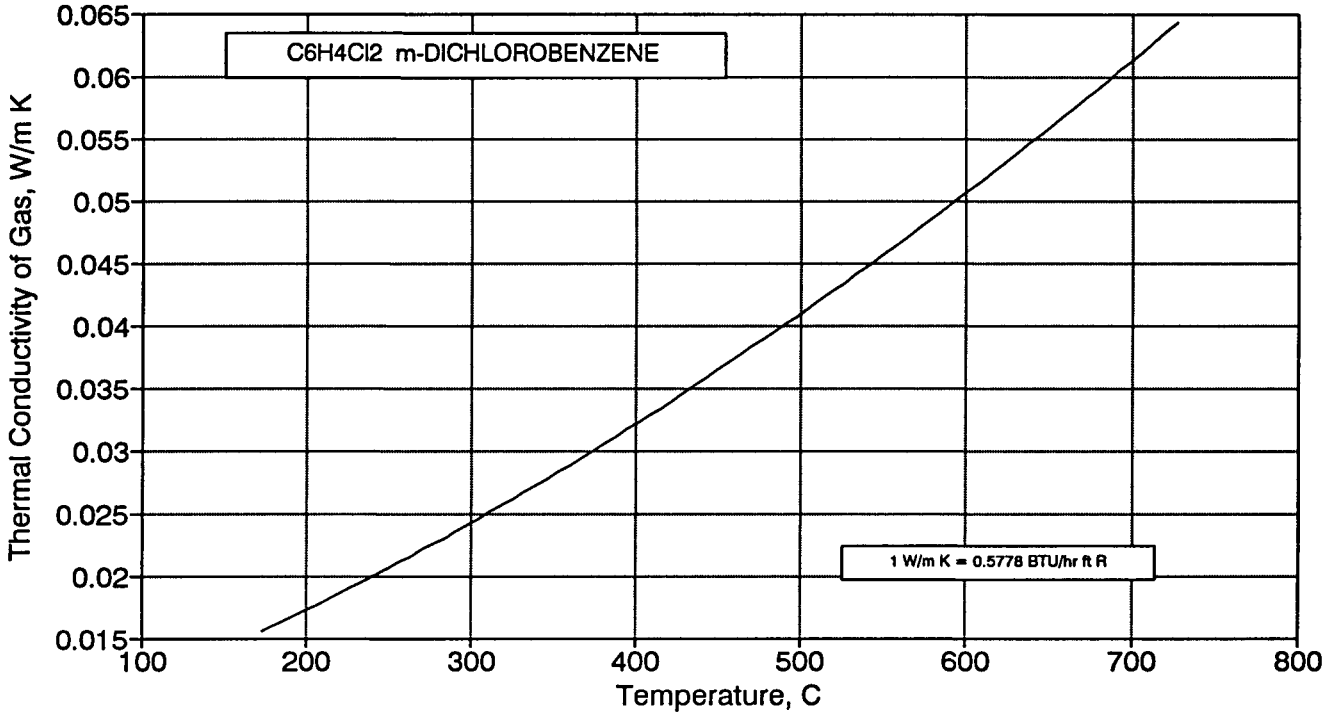

C6H4ClNO2 m-CHLORONITROBENZENE
Thermal Conductivity of Liquid, W/m K
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0
50
100
150
200
250
300
350
400
450
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

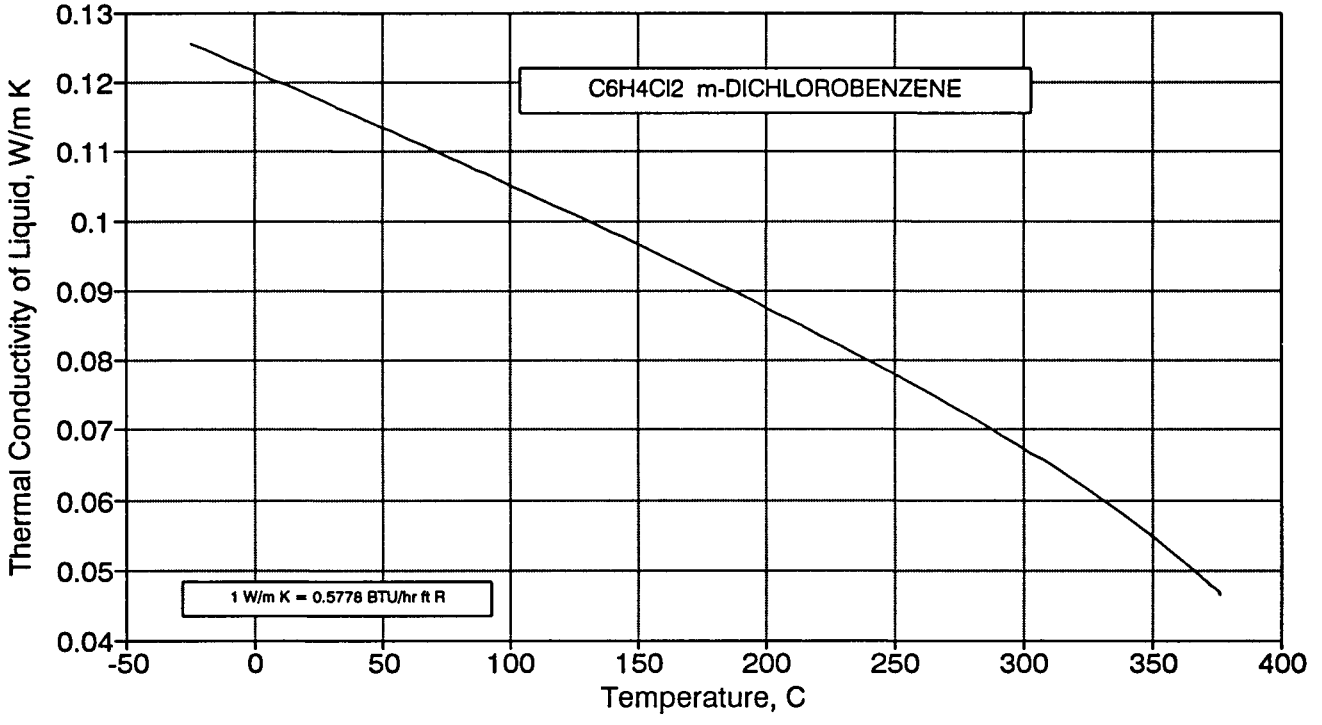

C6H4ClNO2 o-CHLORONITROBENZENE
Thermal Conductivity of Gas, W/m K
0.045
0.04
0.035
0.03
0.025
0.02
0.015
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

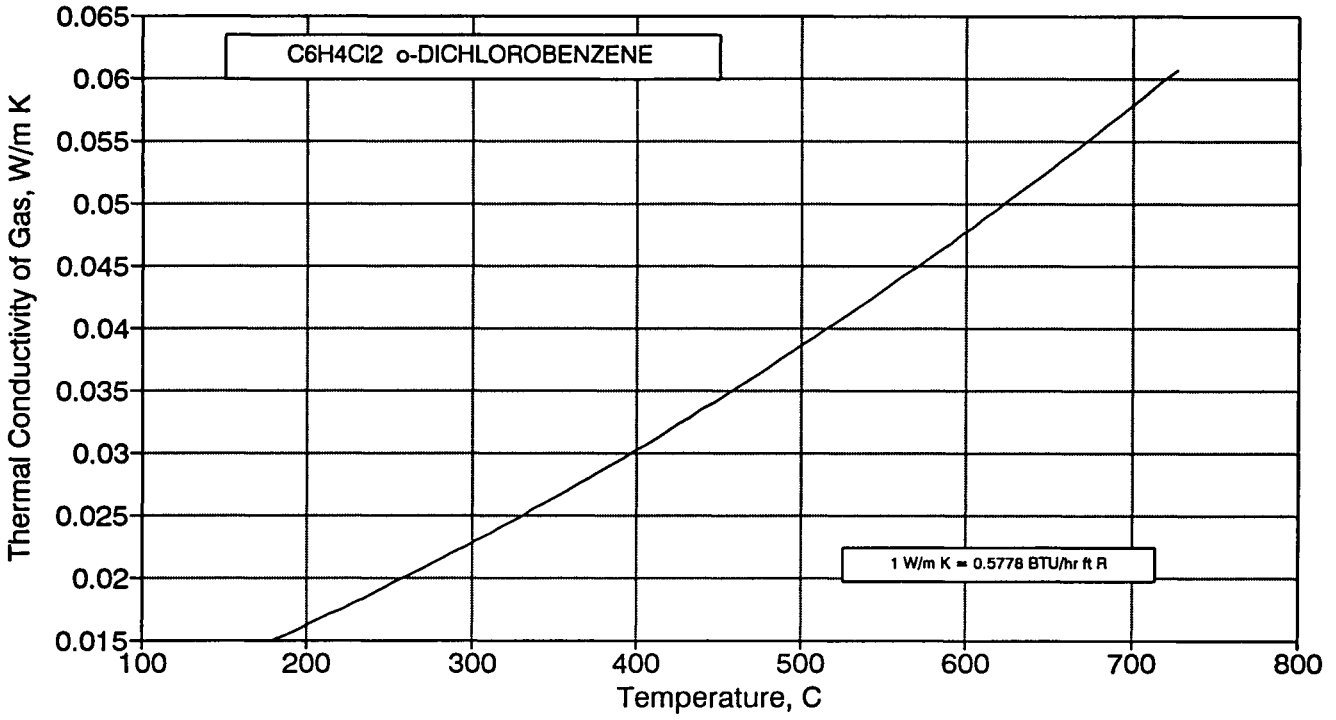

C6H4ClNO2 o-CHLORONITROBENZENE
Thermal Conductivity of Liquid, W/m K
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0
50
100
150
200
250
300
350
400
450
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

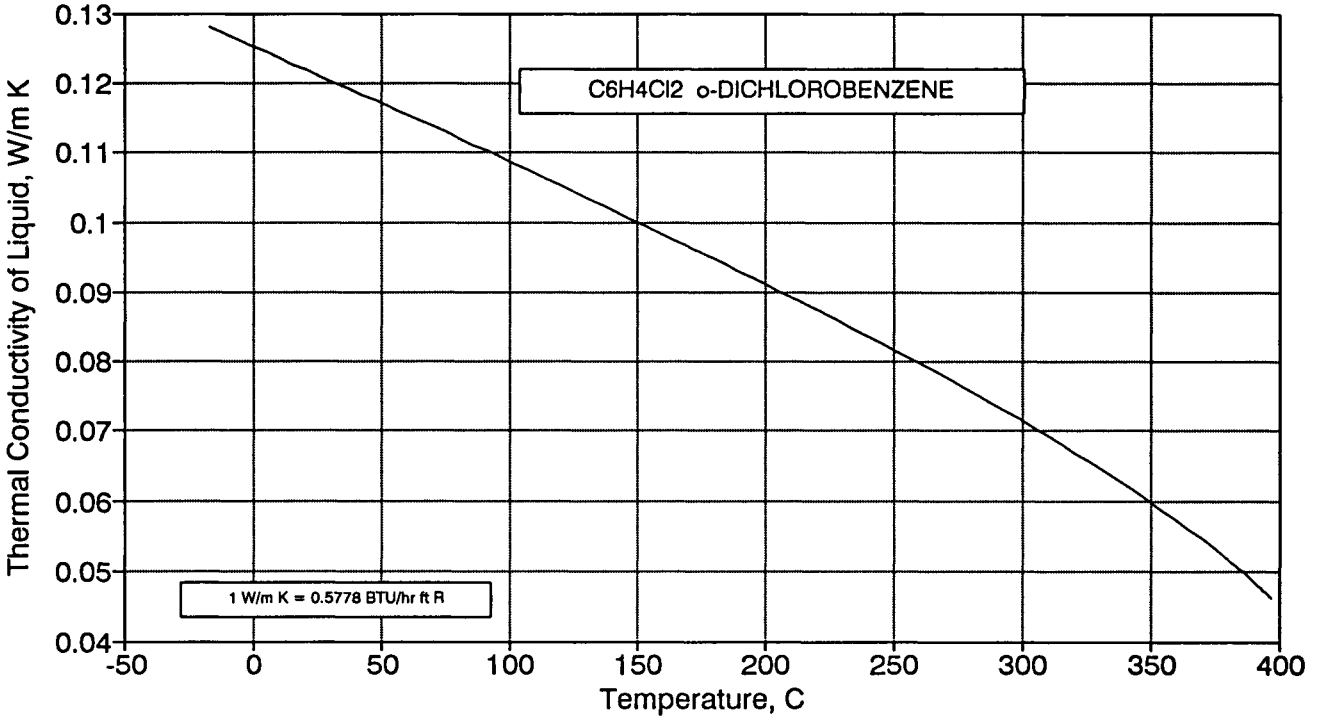

C6H4ClNO2 p-CHLORONITROBENZENE
Thermal Conductivity of Gas, W/m K
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

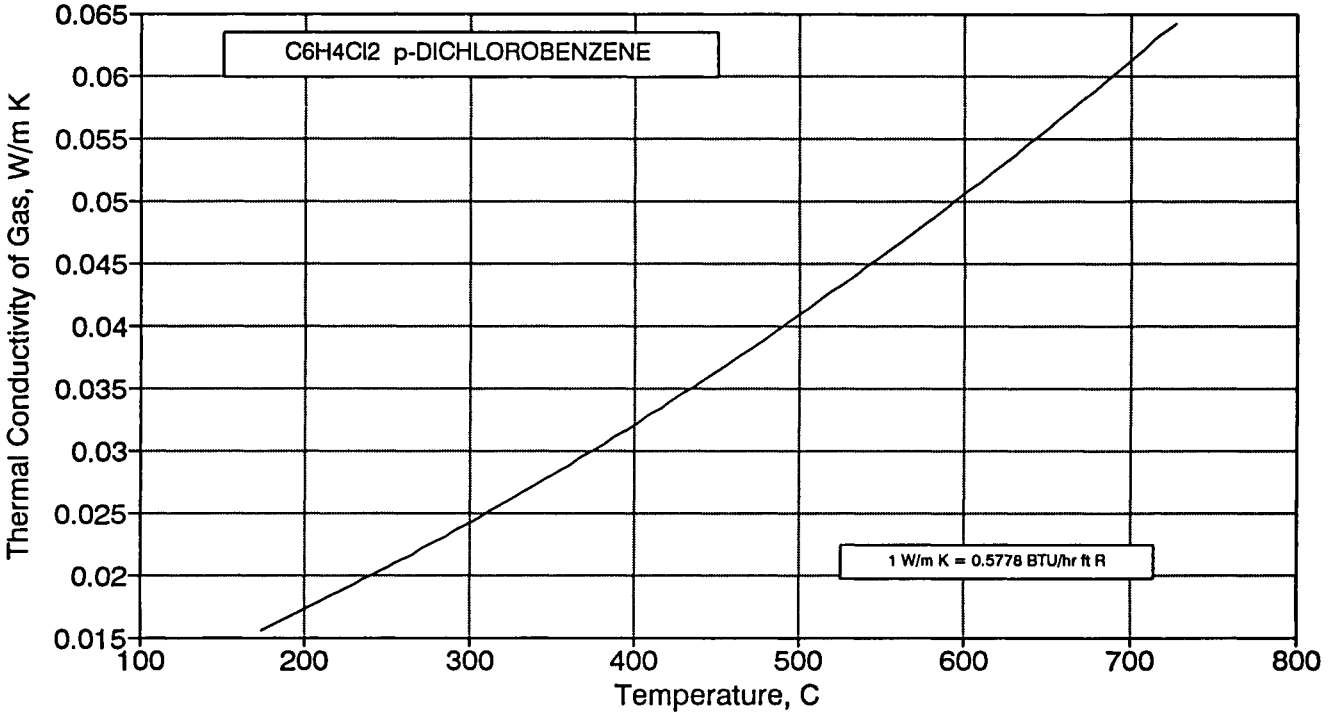

C6H4ClNO2 p-CHLORONITROBENZENE
Thermal Conductivity of Liquid, W/m K
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
50
100
150
200
250
300
350
400
450
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

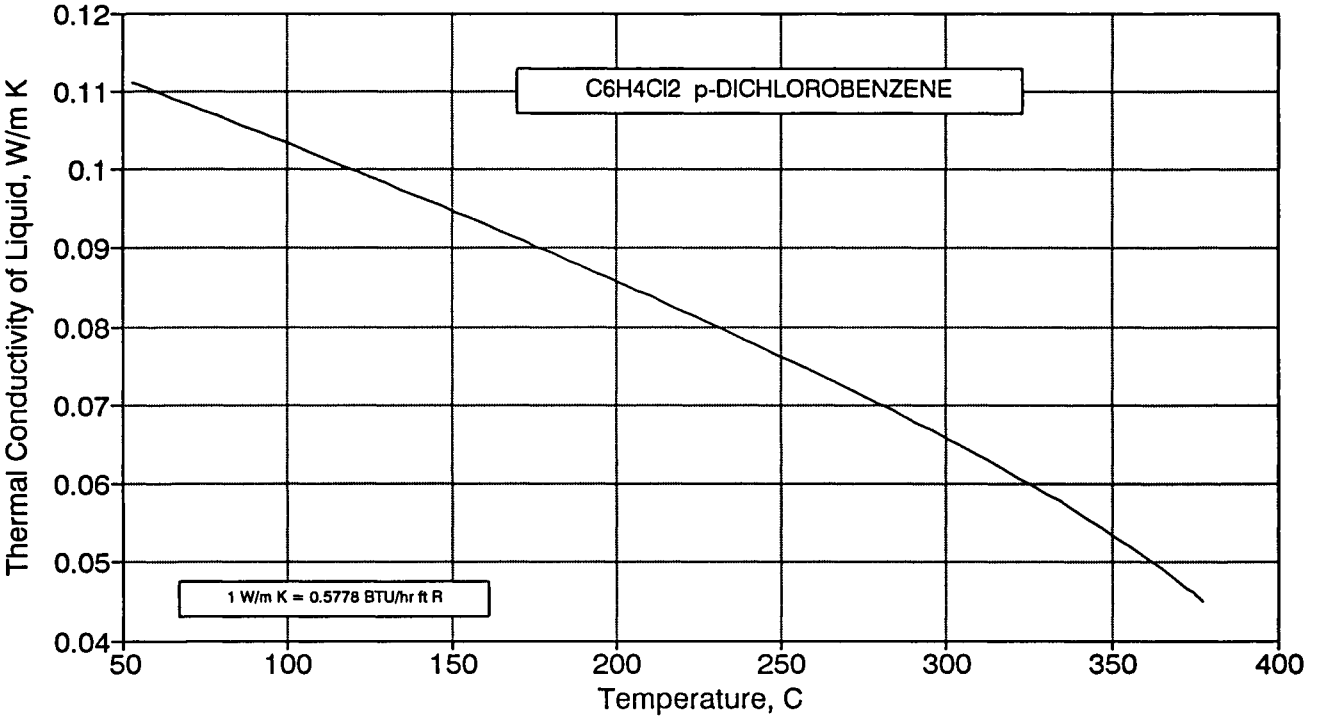

C6H4Cl2 m-DICHLOROBENZENE
Thermal Conductivity of Gas, W/m K
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
1 W/m K = 0.5778 BTU/hr ft R
100
200
300
400
500
600
700
800
Temperature, C


C6H4Cl2 m-DICHLOROBENZENE
Thermal Conductivity of Liquid, W/m K
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
1 W/m K = 0.5778 BTU/hr ft R
-50
0
50
100
150
200
250
300
350
400
Temperature, C


C6H4Cl2 o-DICHLOROBENZENE
Thermal Conductivity of Gas, W/m K
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
1 W/m K = 0.5778 BTU/hr ft R
100
200
300
400
500
600
700
800
Temperature, C


C6H4Cl2 o-DICHLOROBENZENE
Thermal Conductivity of Liquid, W/m K
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
1 W/m K = 0.5778 BTU/hr ft R
-50
0
50
100
150
200
250
300
350
400
Temperature, C


C6H4Cl2 p-DICHLOROBENZENE
Thermal Conductivity of Gas, W/m K
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
1 W/m K = 0.5778 BTU/hr ft R
100
200
300
400
500
600
700
800
Temperature, C

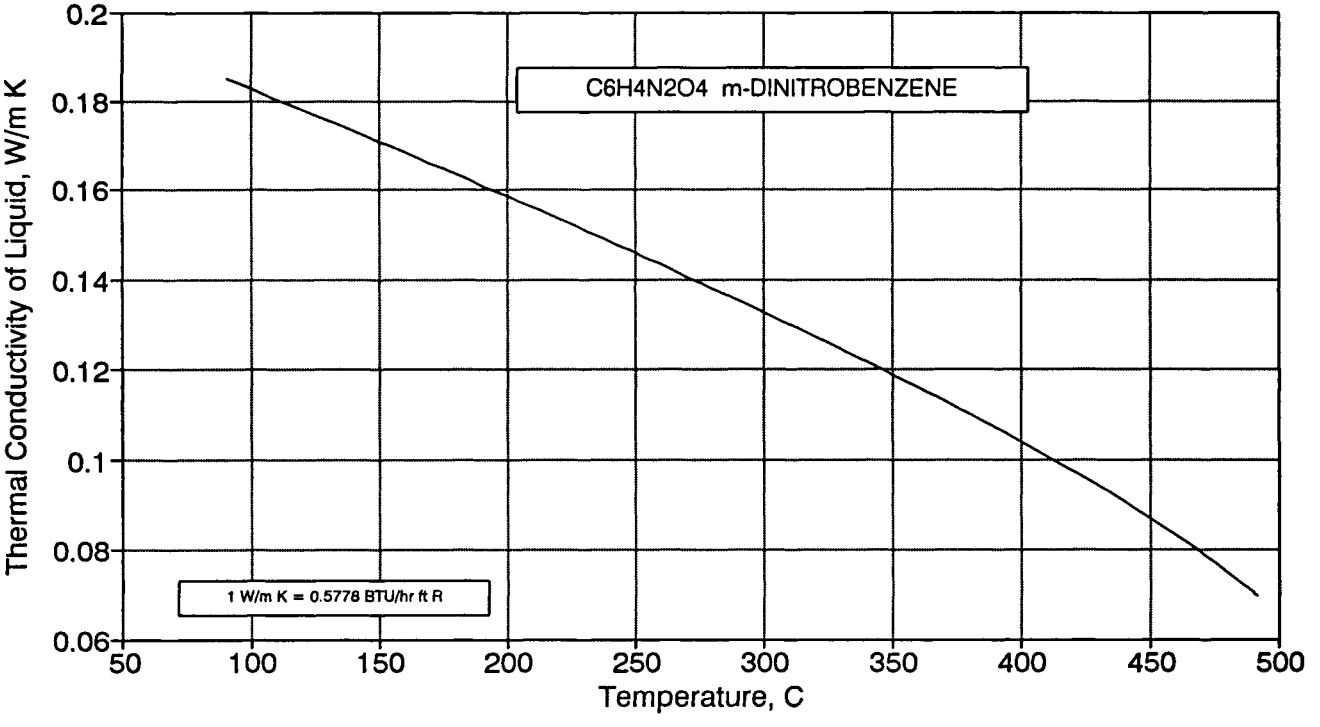

C6H4Cl2 p-DICHLOROBENZENE
Thermal Conductivity of Liquid, W/m K
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
1 W/m K = 0.5778 BTU/hr ft R
50
100
150
200
250
300
350
400
Temperature, C

C6H4N2O4 m-DINITROBENZENE

Gas thermal conductivity data are not available .

TF , K = 364.00

TB , K = 573.00

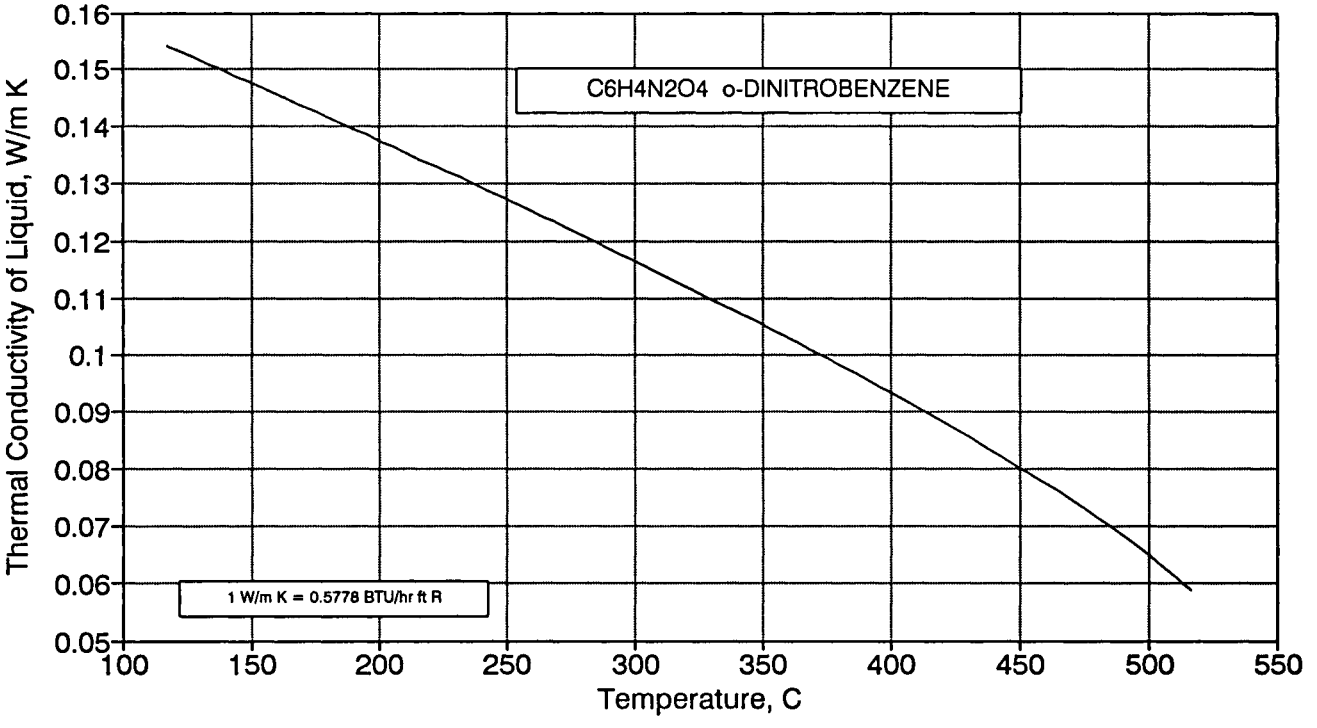


C6H4N2O4 o-DINITROBENZENE

Gas thermal conductivity data are not available .

TF , K = 390.08

TB , K = 592.00

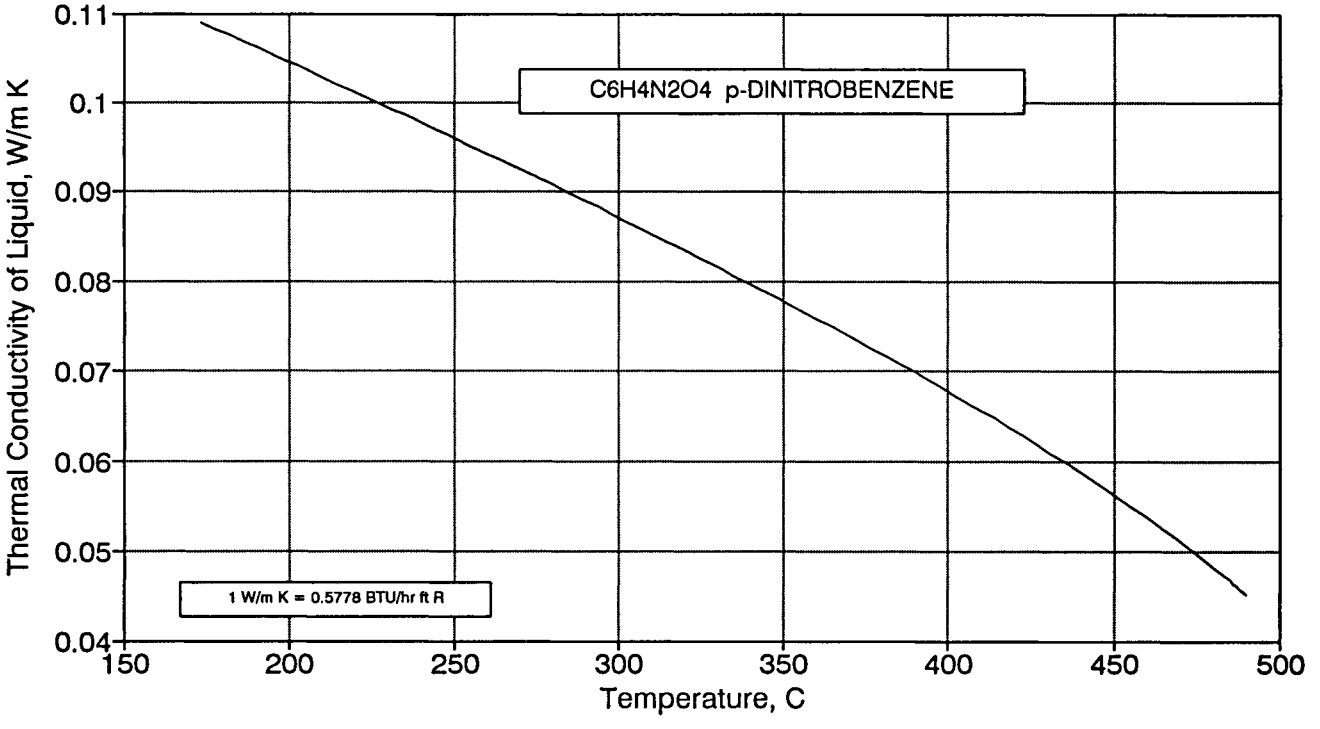


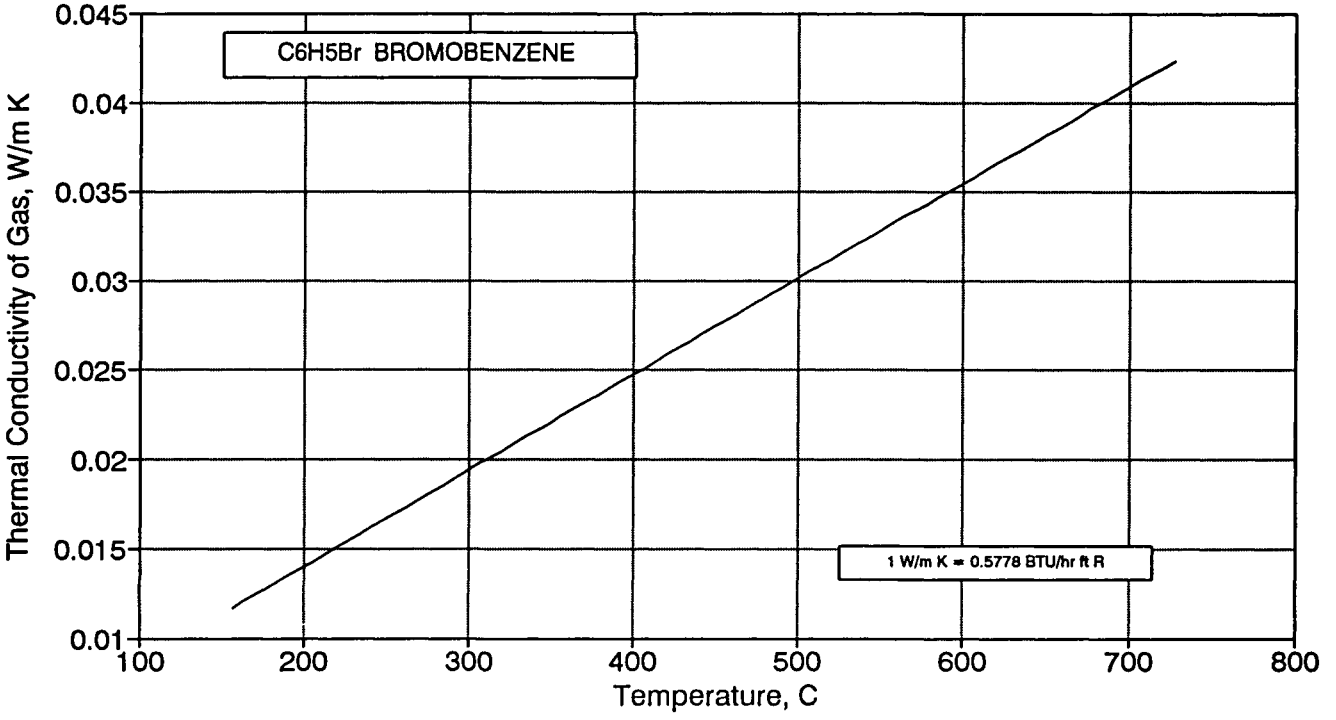
C6H4N2O4 p-DINITROBENZENE

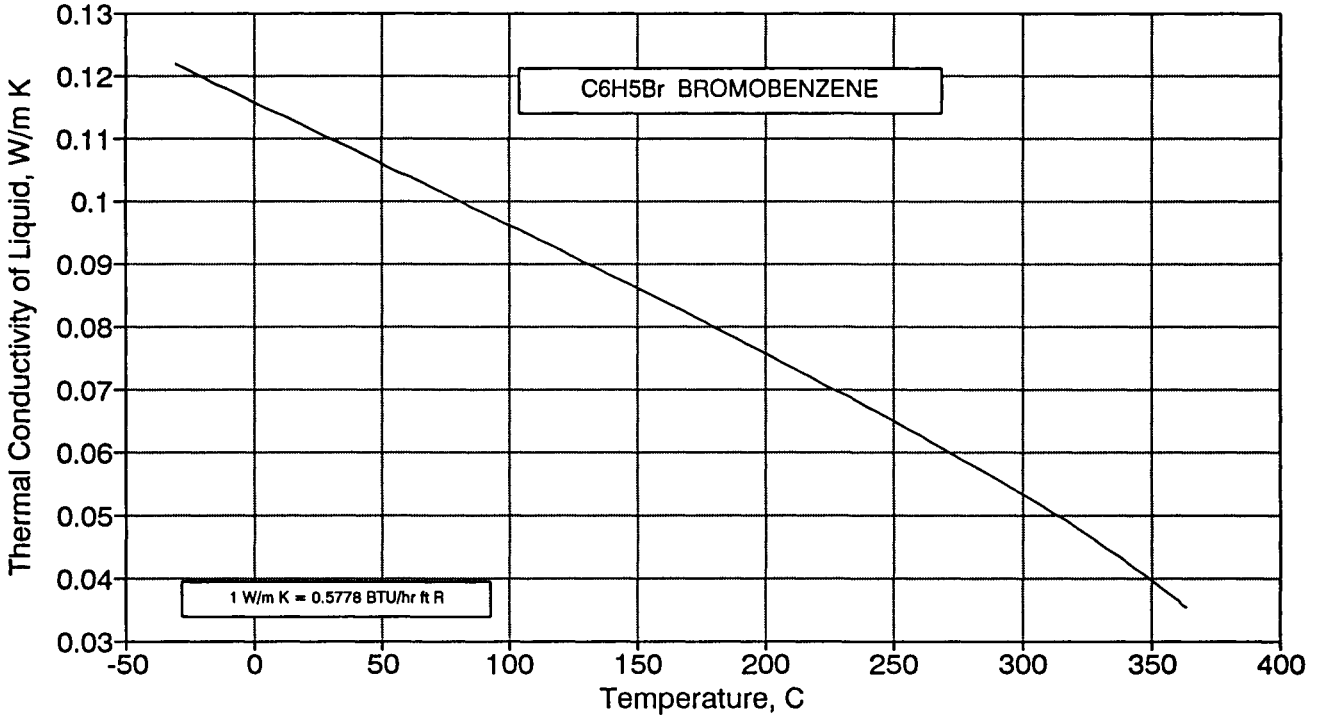
Gas thermal conductivity data are not available .

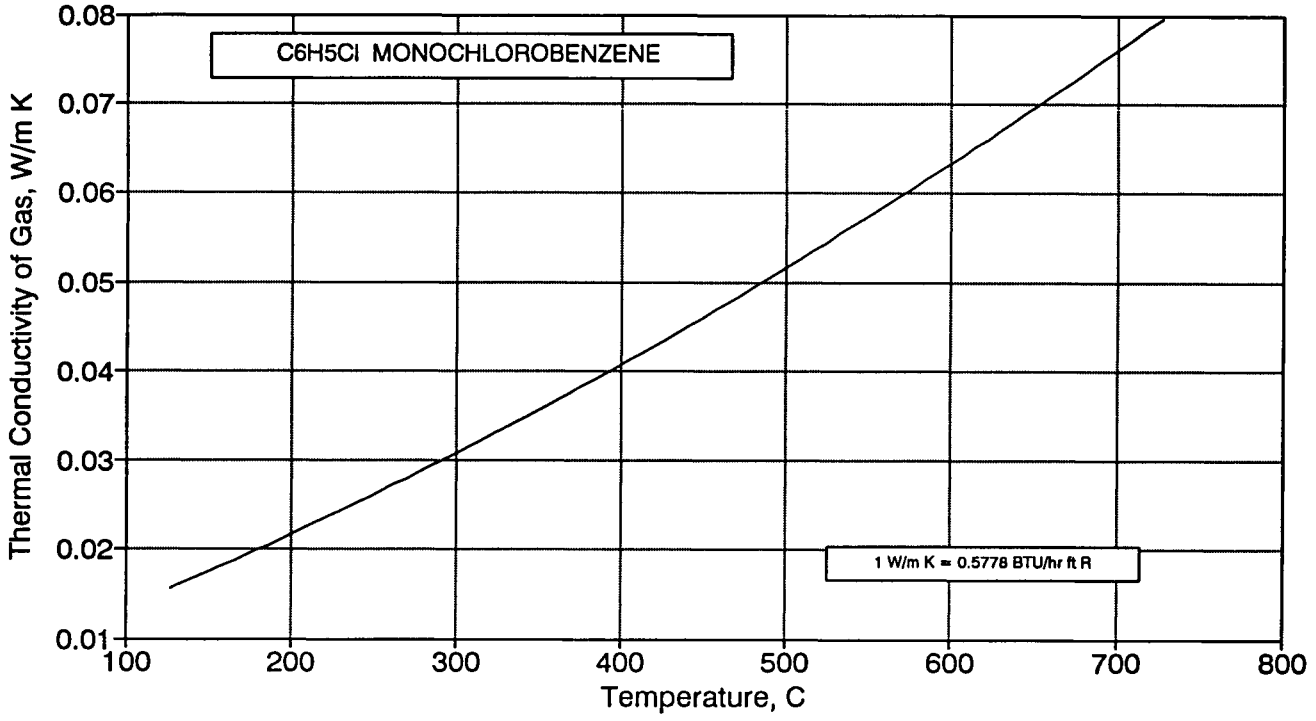
TF , K = 446.60

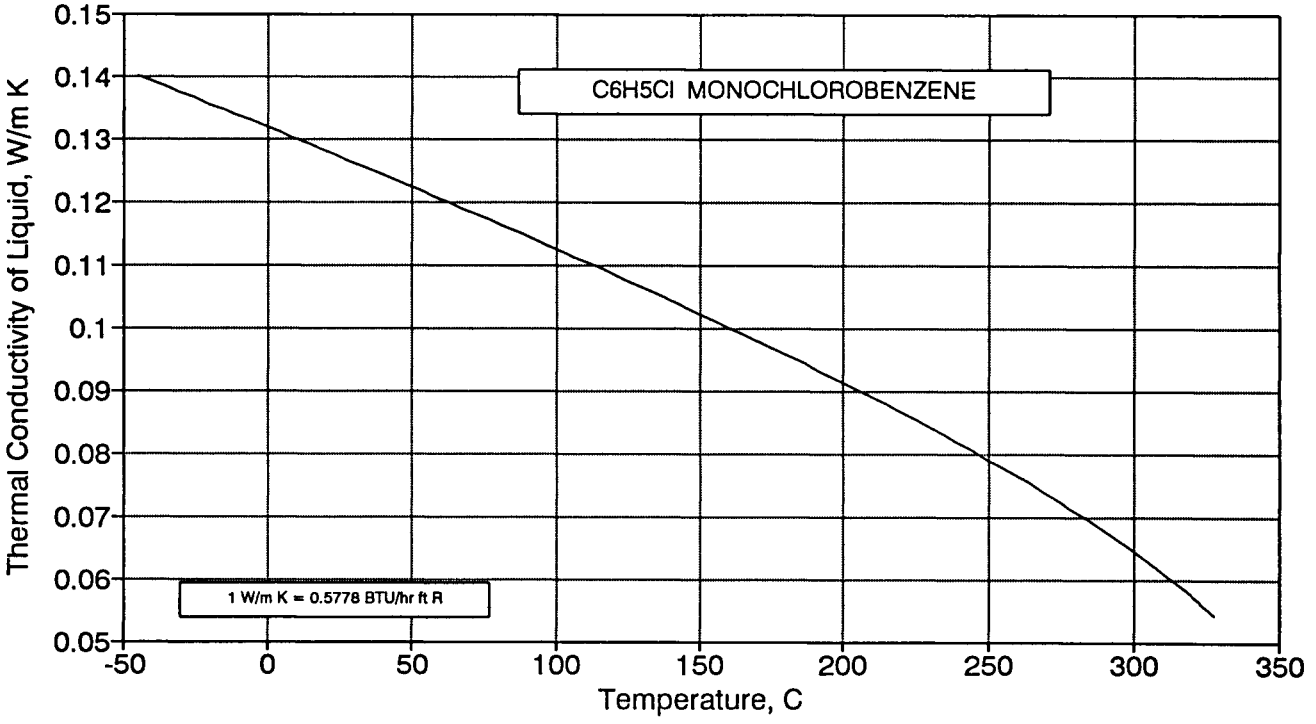
TB , K = 572.00

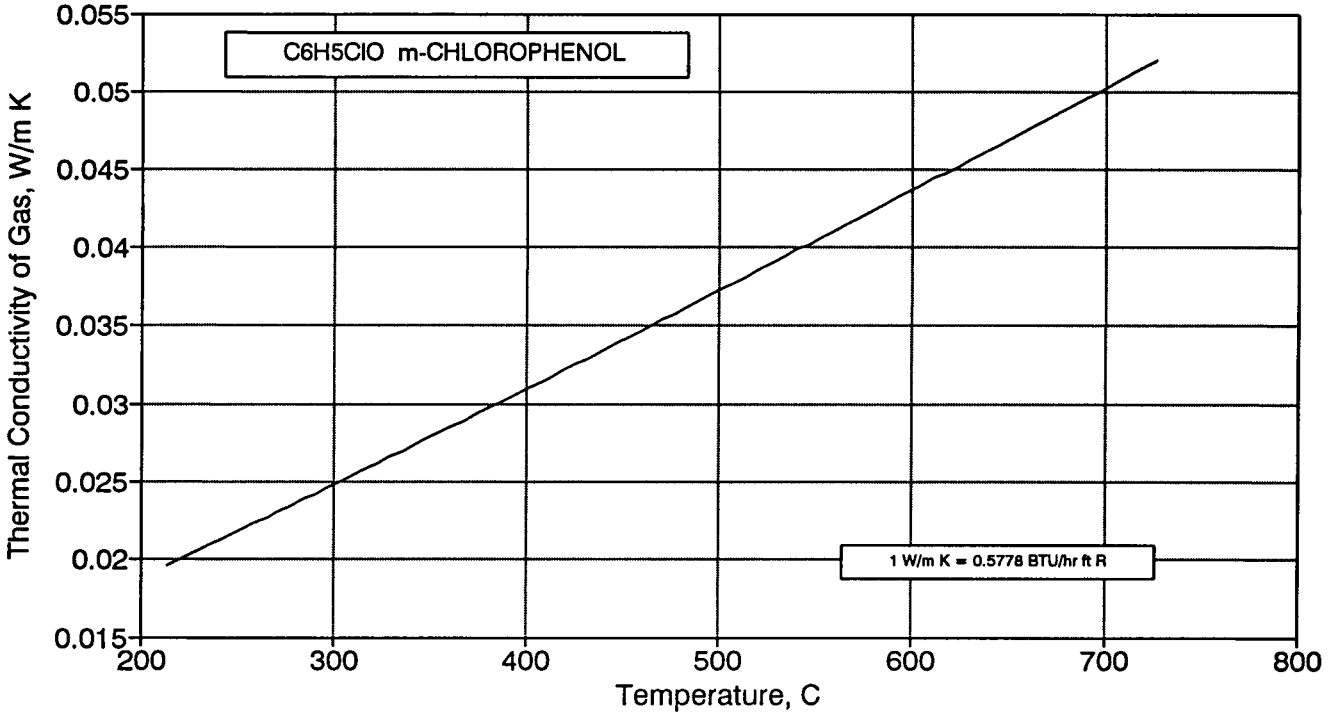


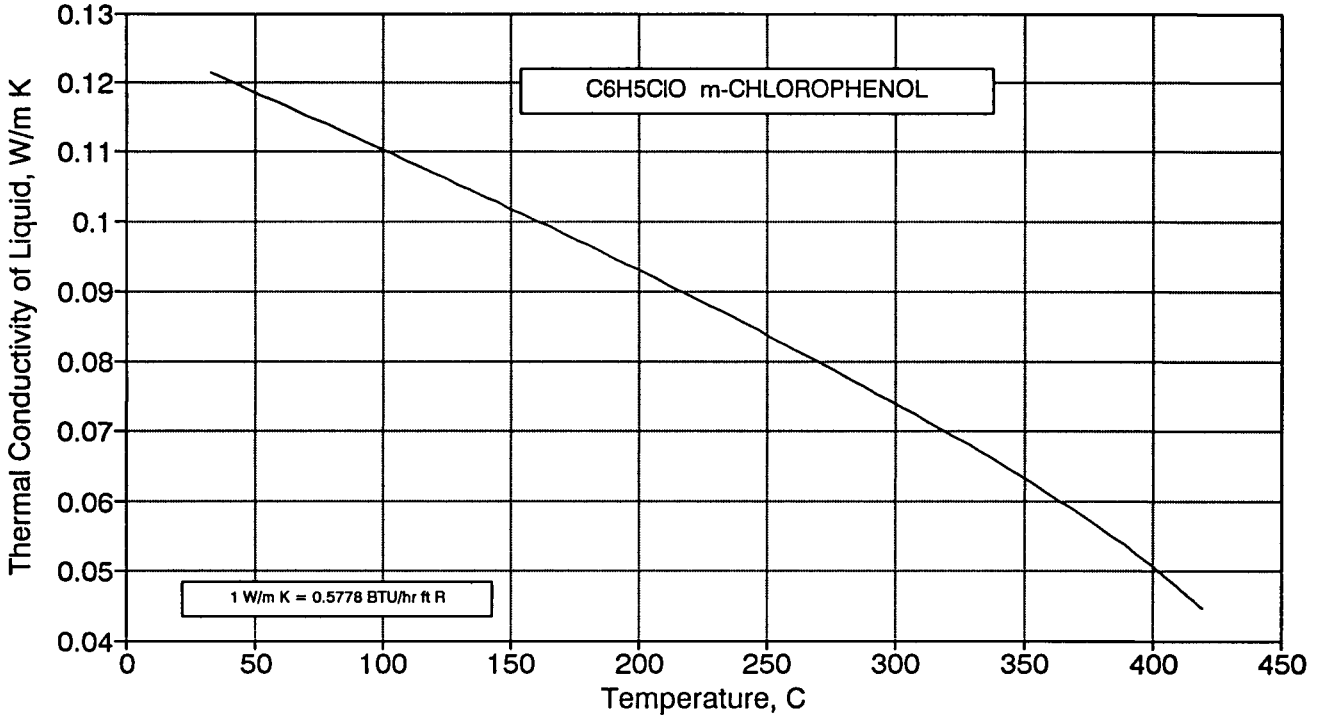

C6H5Br BROMOBENZENE
Thermal Conductivity of Gas, W/m K
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

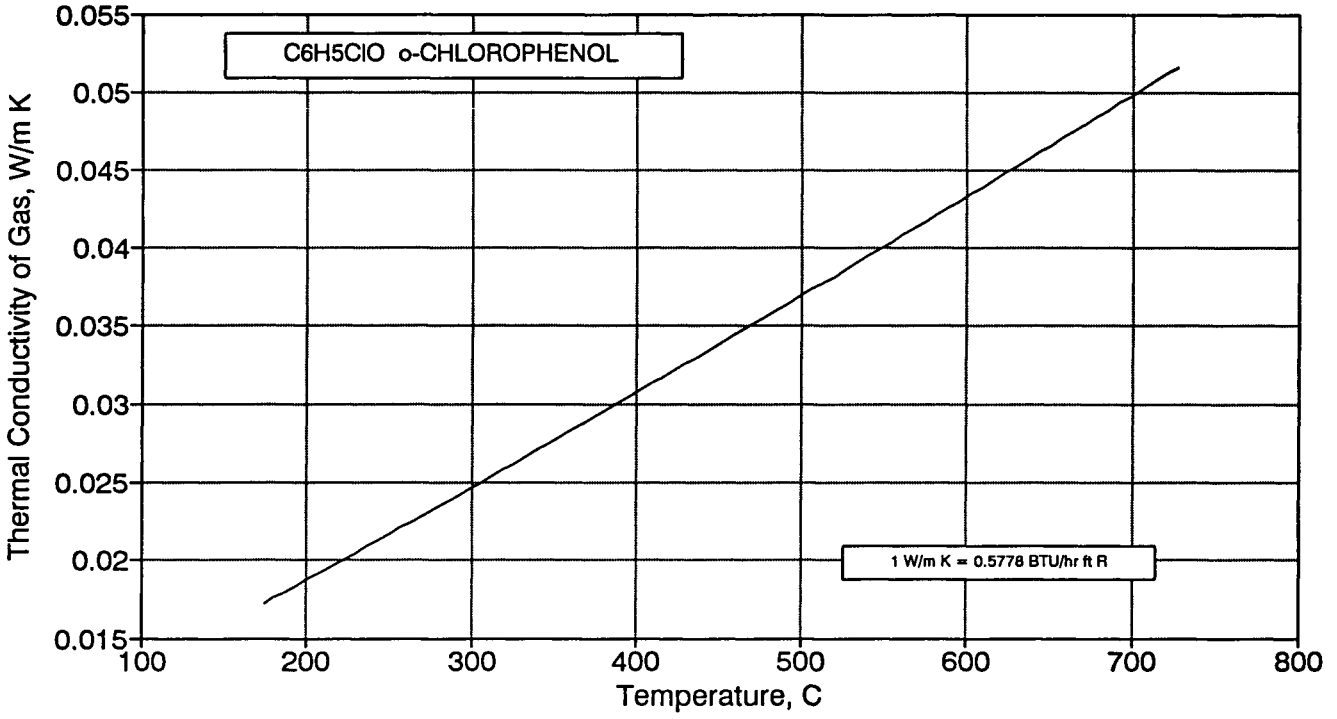

C6H5Br BROMOBENZENE
Thermal Conductivity of Liquid, W/m K
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
-50
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

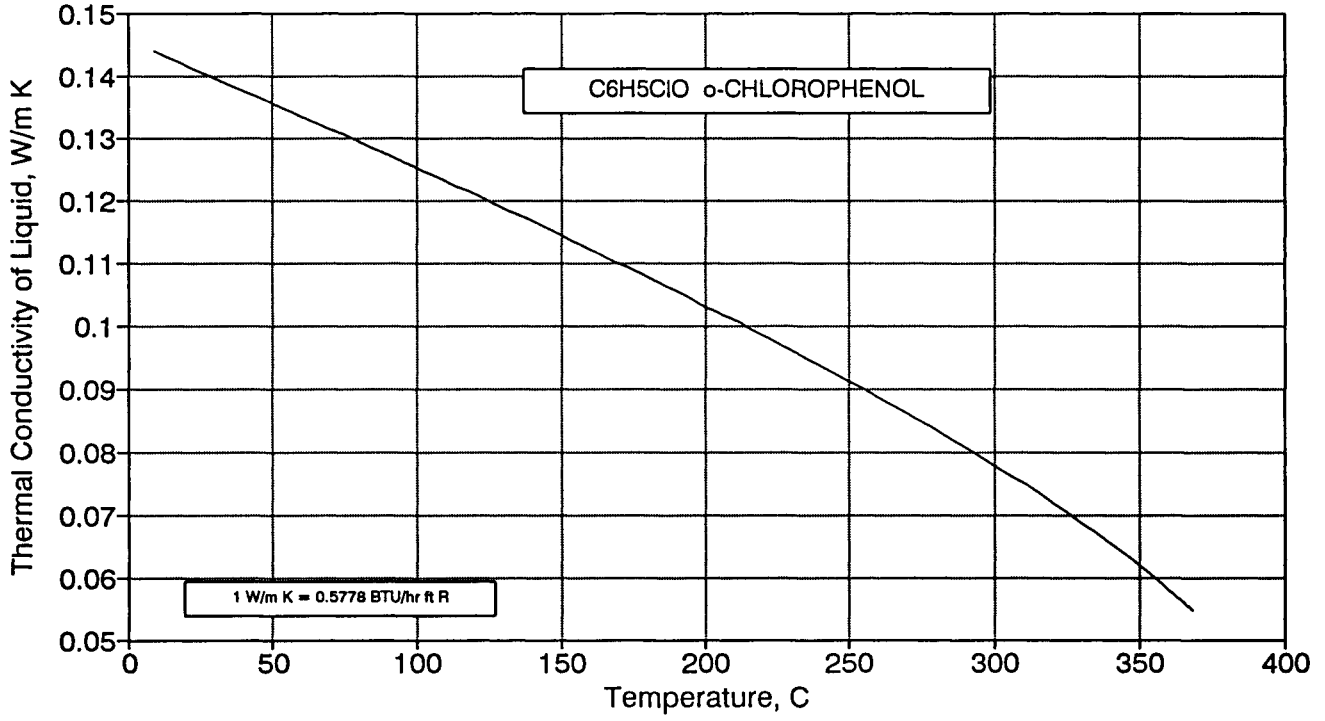

C6H5Cl MONOCHLOROBENZENE
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

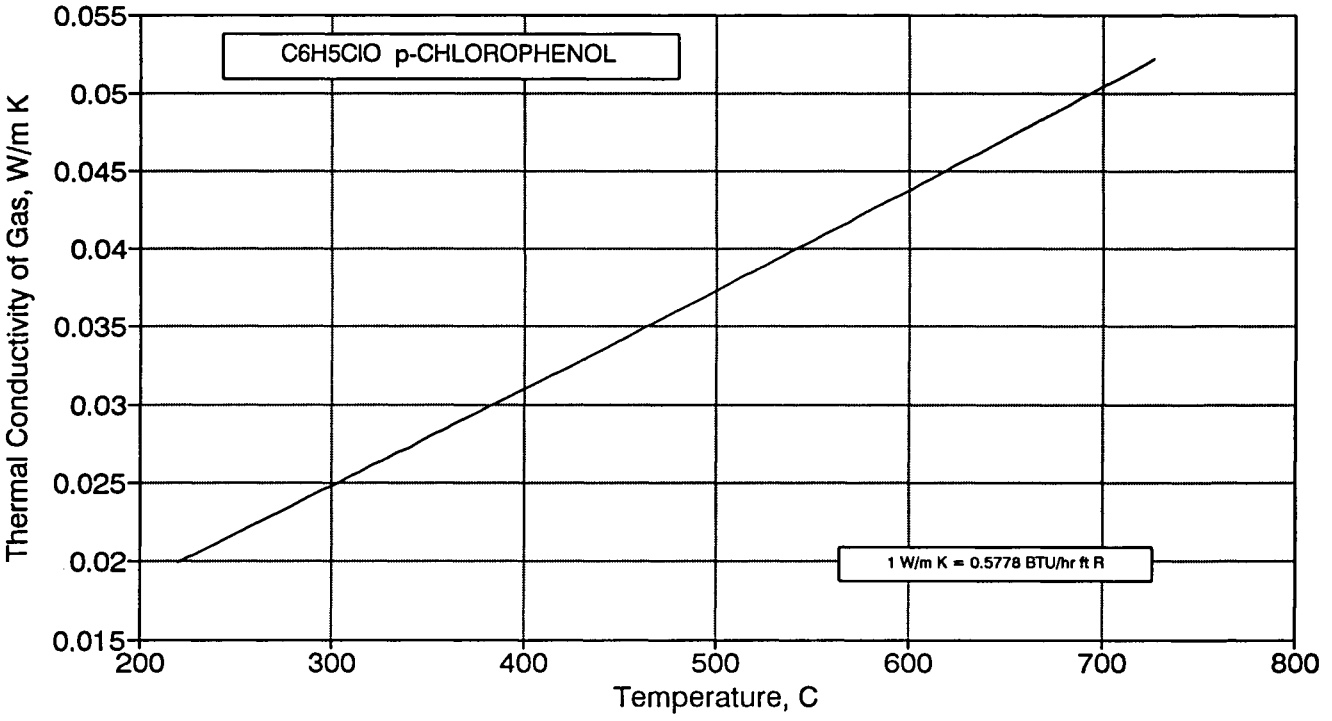

C6H5Cl MONOCHLOROBENZENE
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

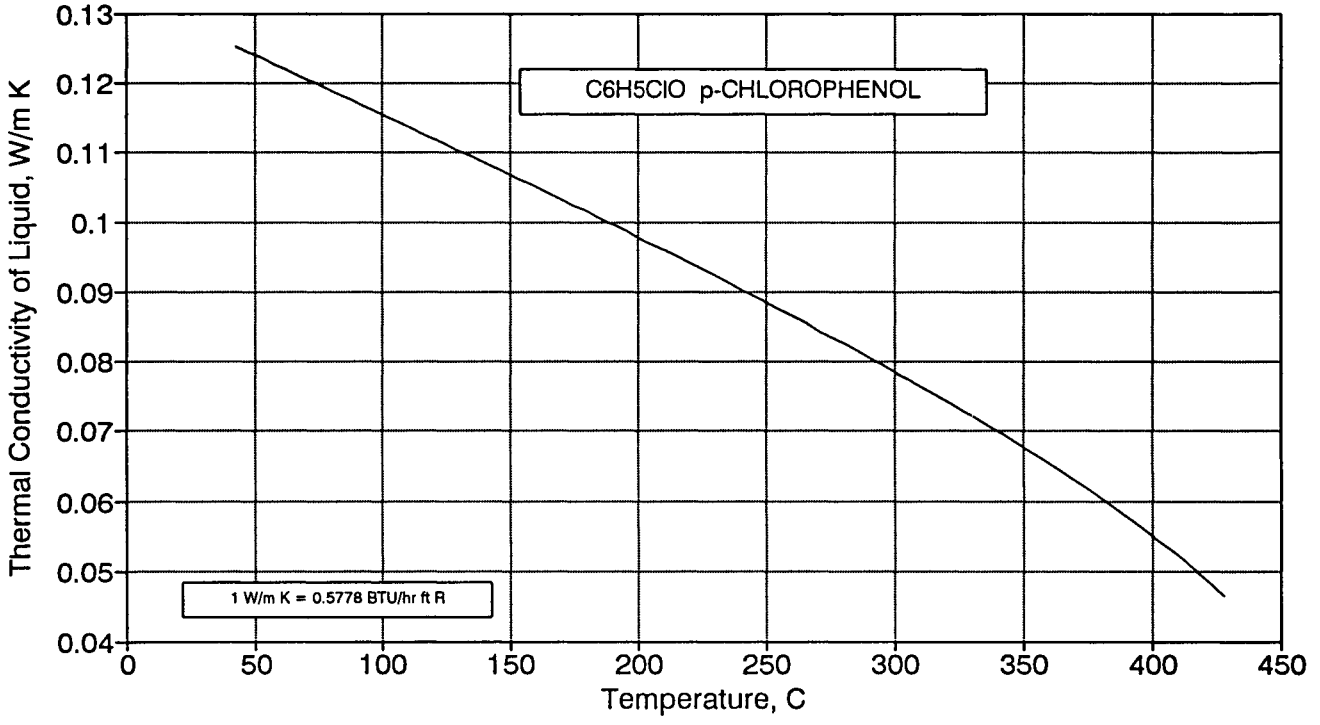

C6H5ClO m-CHLOROPHENOL
Thermal Conductivity of Gas, W/m K
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

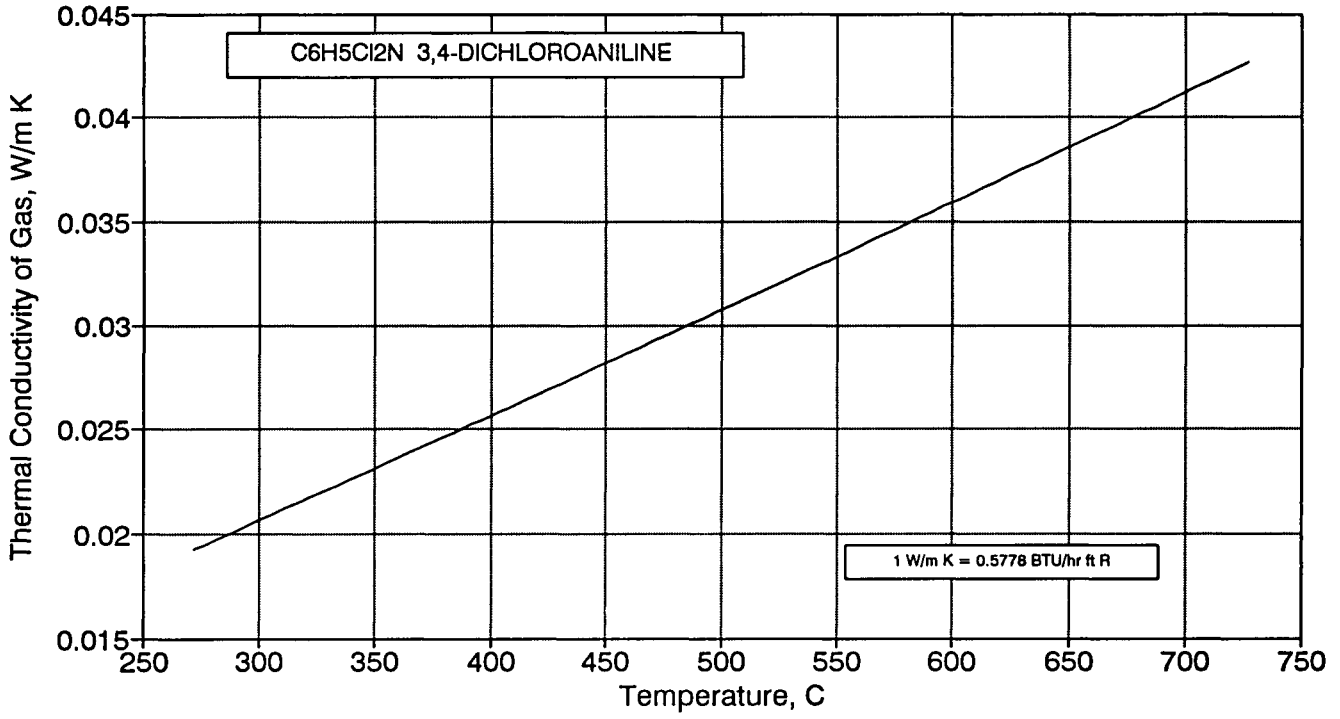

C6H5ClO m-CHLOROPHENOL
Thermal Conductivity of Liquid, W/m K
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0
50
100
150
200
250
300
350
400
450
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

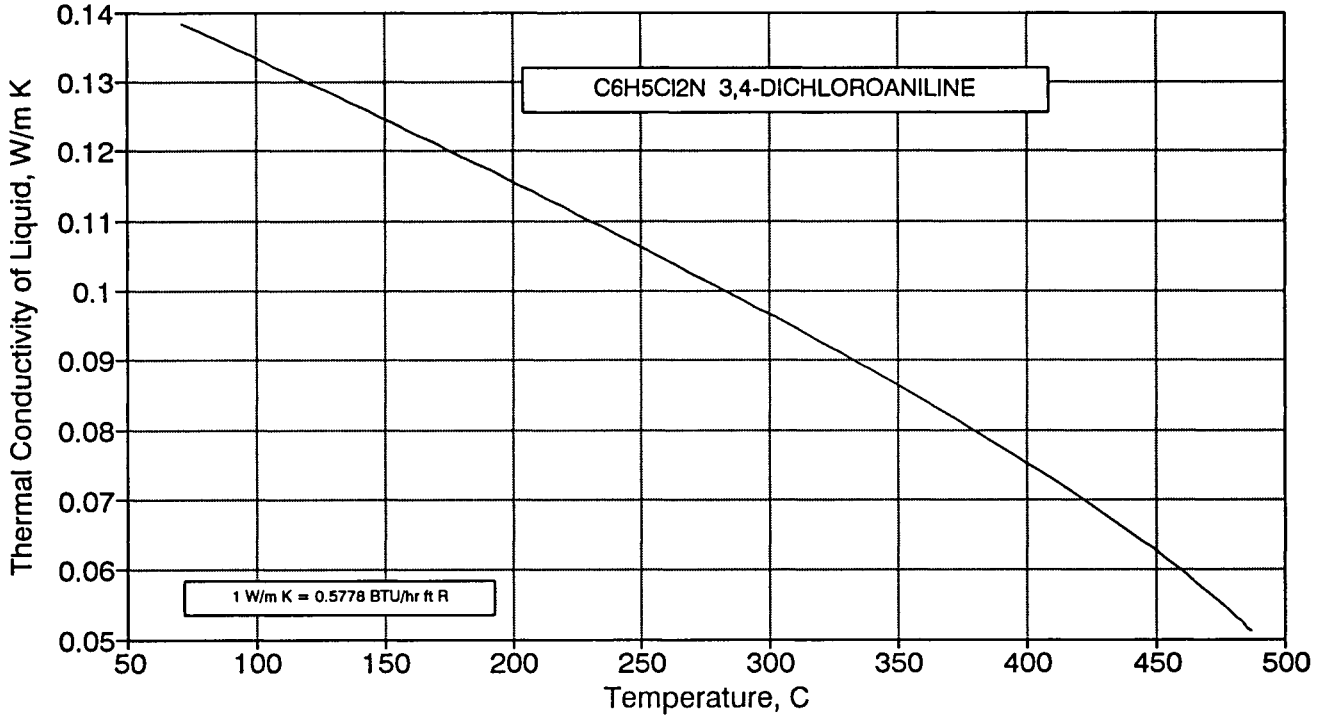

C6H5ClO o-CHLOROPHENOL
Thermal Conductivity of Gas, W/m K
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

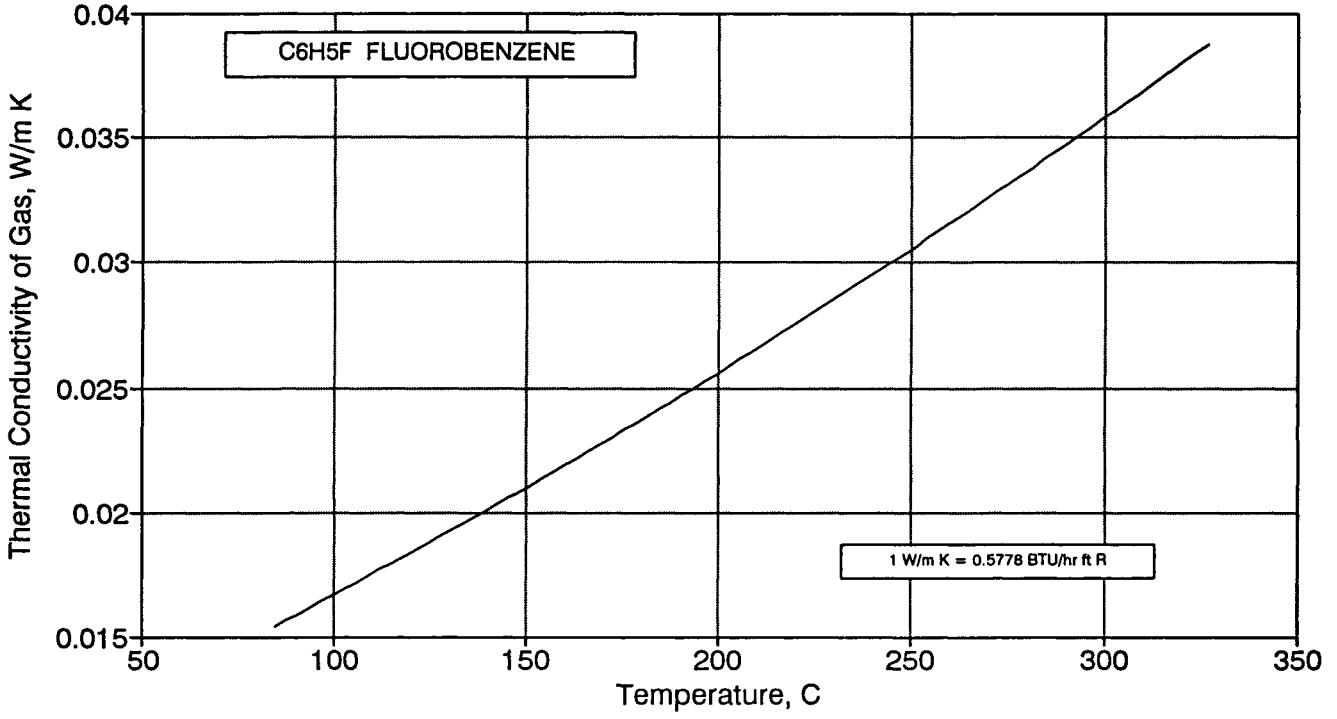

C6H5ClO o-CHLOROPHENOL
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

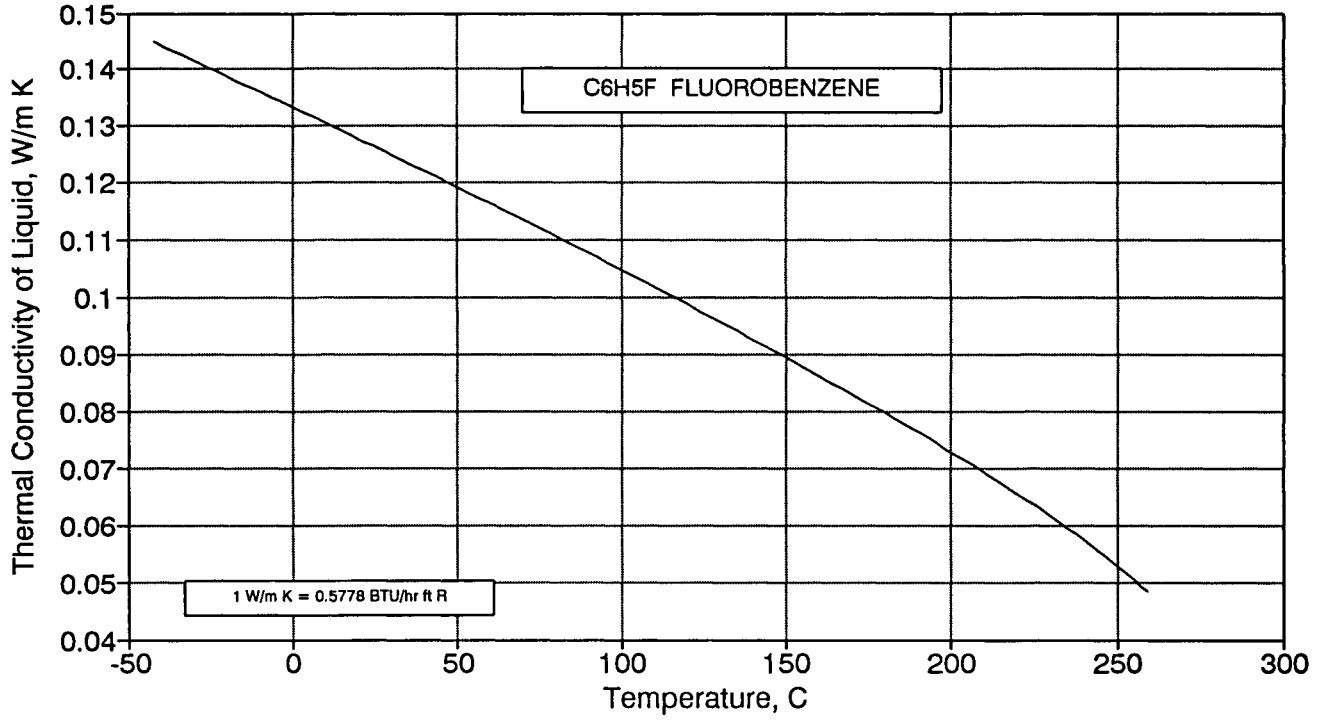

C6H5ClO p-CHLOROPHENOL
Thermal Conductivity of Gas, W/m K
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

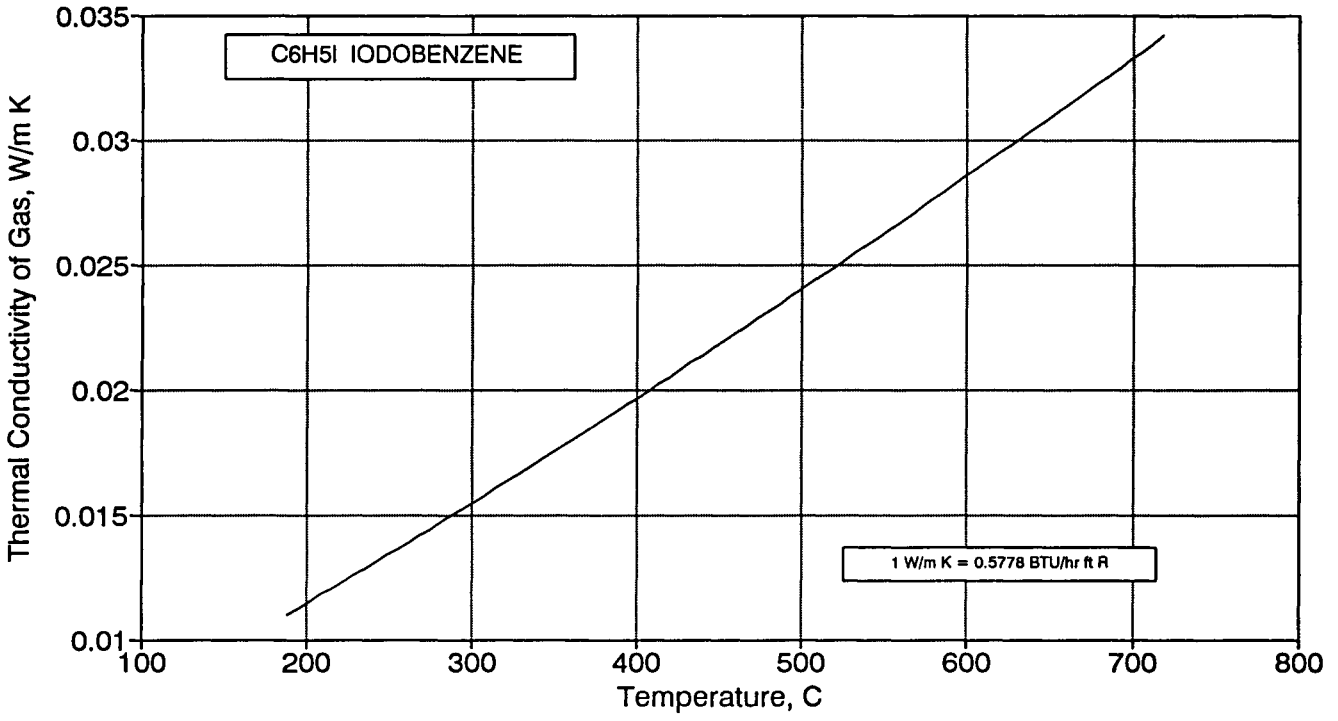

C6H5ClO p-CHLOROPHENOL
Thermal Conductivity of Liquid, W/m K
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0
50
100
150
200
250
300
350
400
450
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

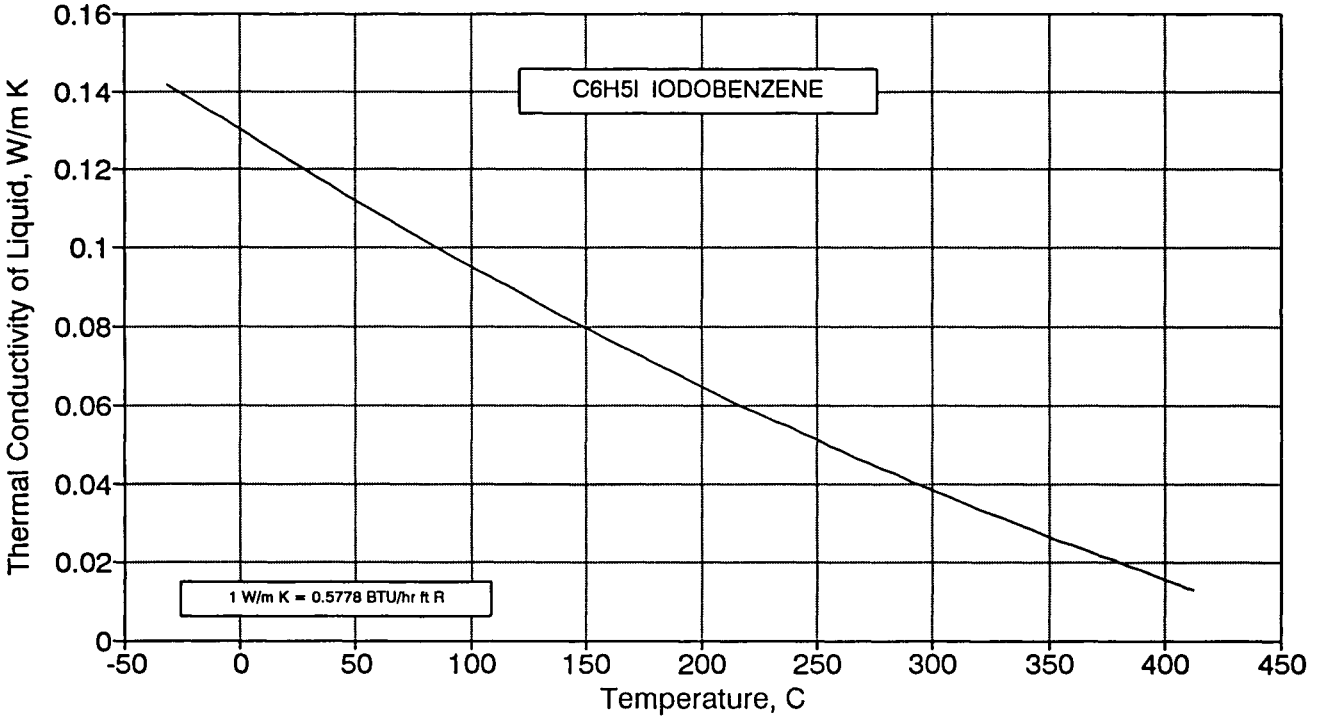

C6H5Cl2N 3,4-DICHLOROANILINE
Thermal Conductivity of Gas, W/m K
0.045
0.04
0.035
0.03
0.025
0.02
0.015
250
300
350
400
450
500
550
600
650
700
750
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H5Cl2N 3,4-DICHLOROANILINE
Thermal Conductivity of Liquid, W/m K
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
50
100
150
200
250
300
350
400
450
500
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H5F FLUOROBENZENE
Thermal Conductivity of Gas, W/m K
0.04
0.035
0.03
0.025
0.02
0.015
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H5F FLUOROBENZENE
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H5I IODOBENZENE
Thermal Conductivity of Gas, W/m K
0.035
0.03
0.025
0.02
0.015
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

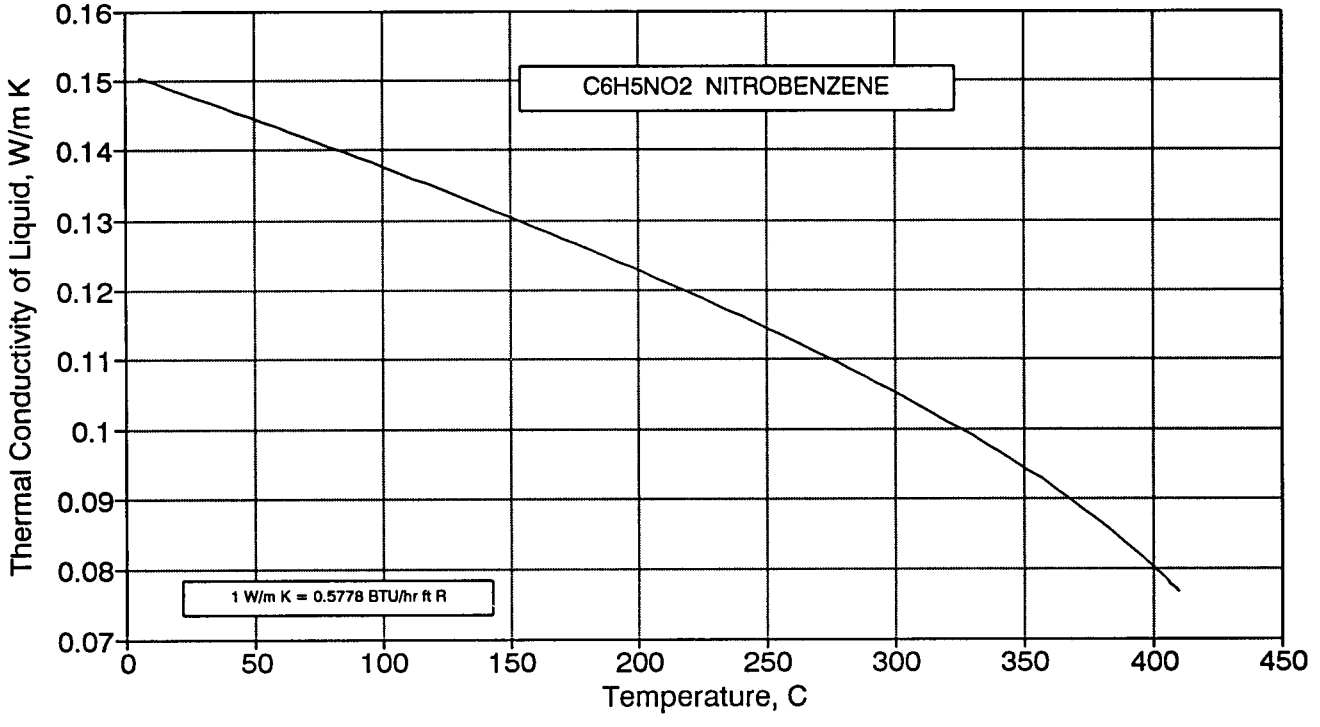

C6H5I IODOBENZENE
Thermal Conductivity of Liquid, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
-50
0
50
100
150
200
250
300
350
400
450
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

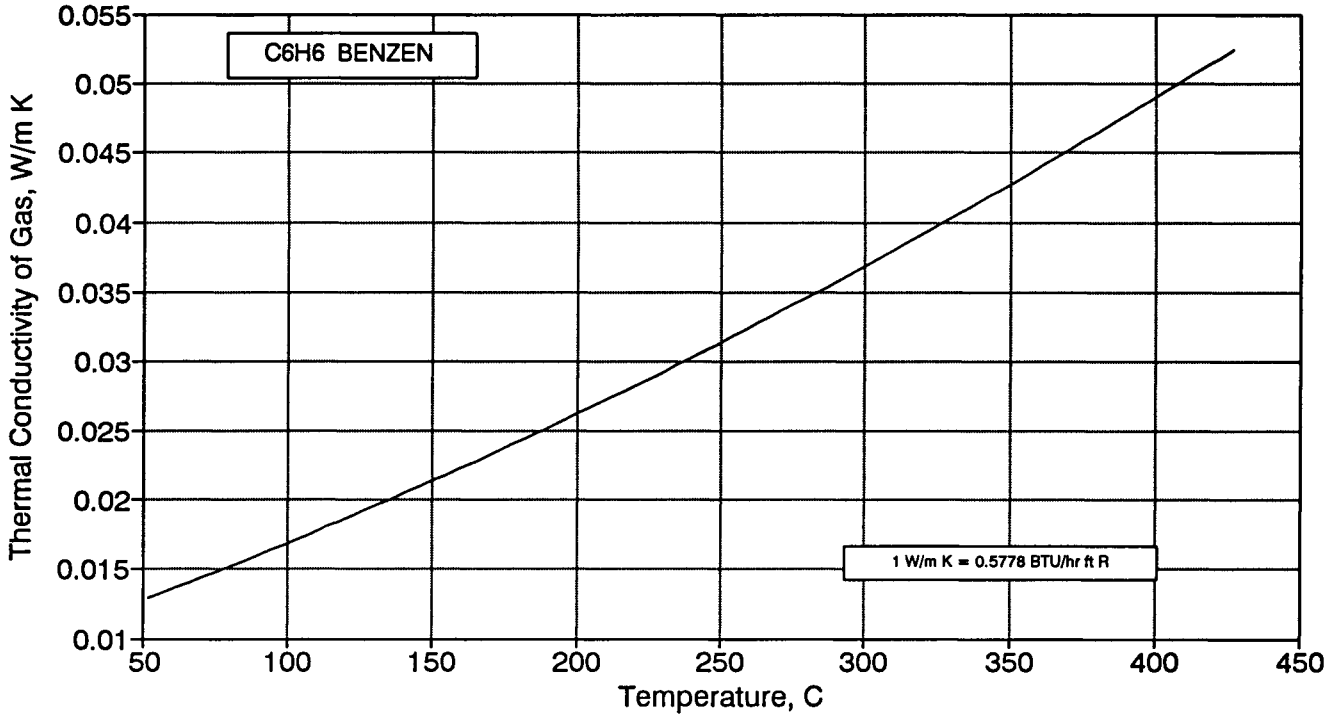
C6H5NO2 NITROBENZENE

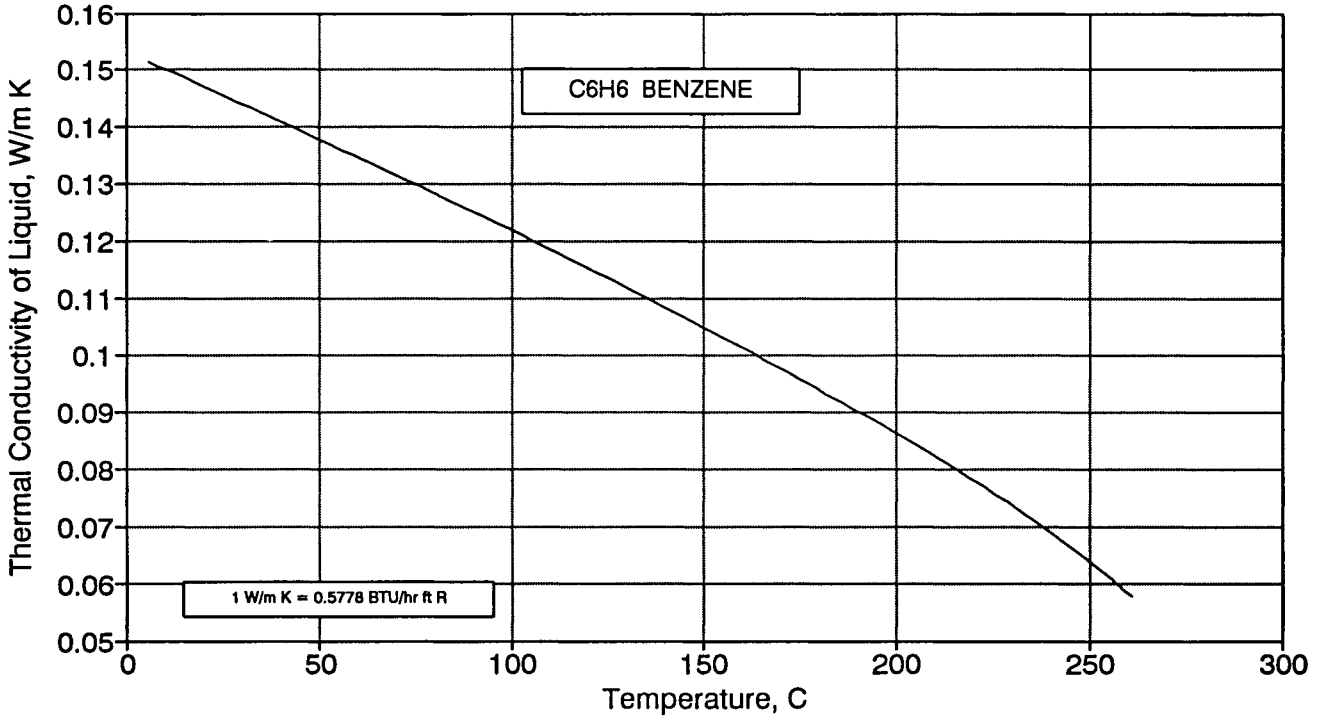
Gas thermal conductivity data are not available .

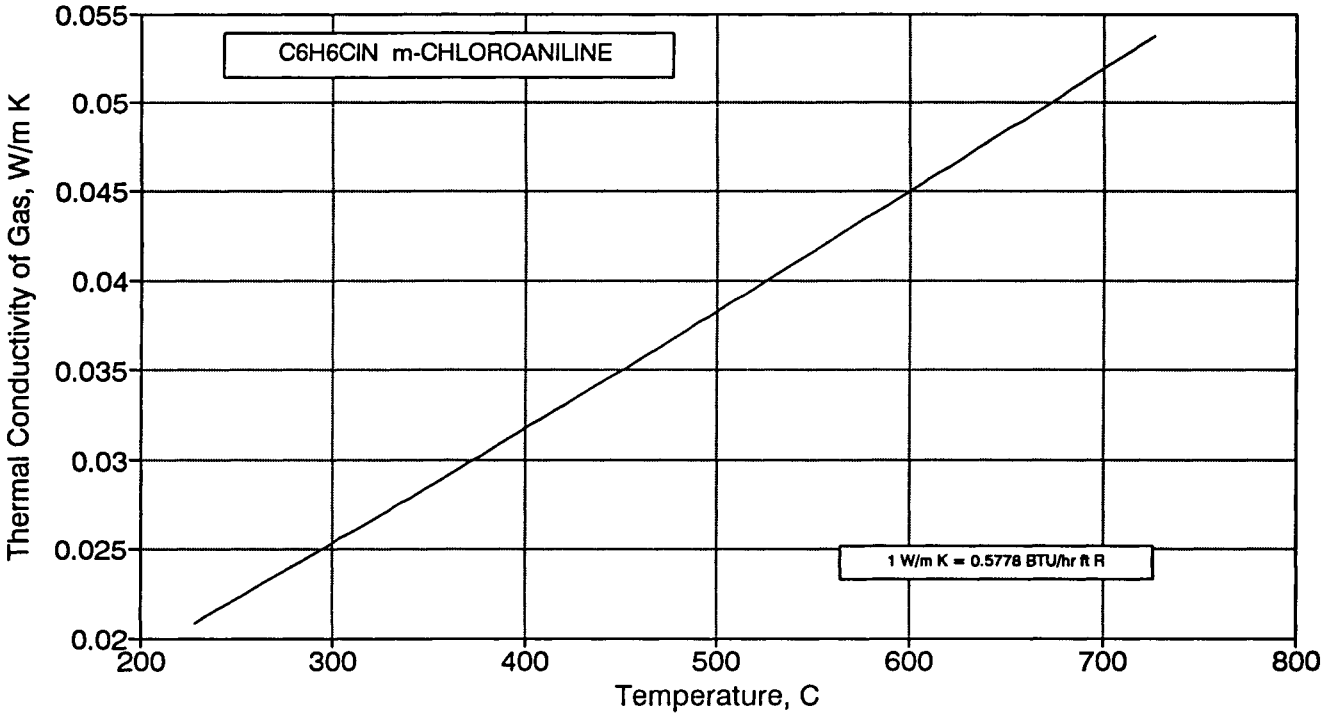
TF , K = 278.91

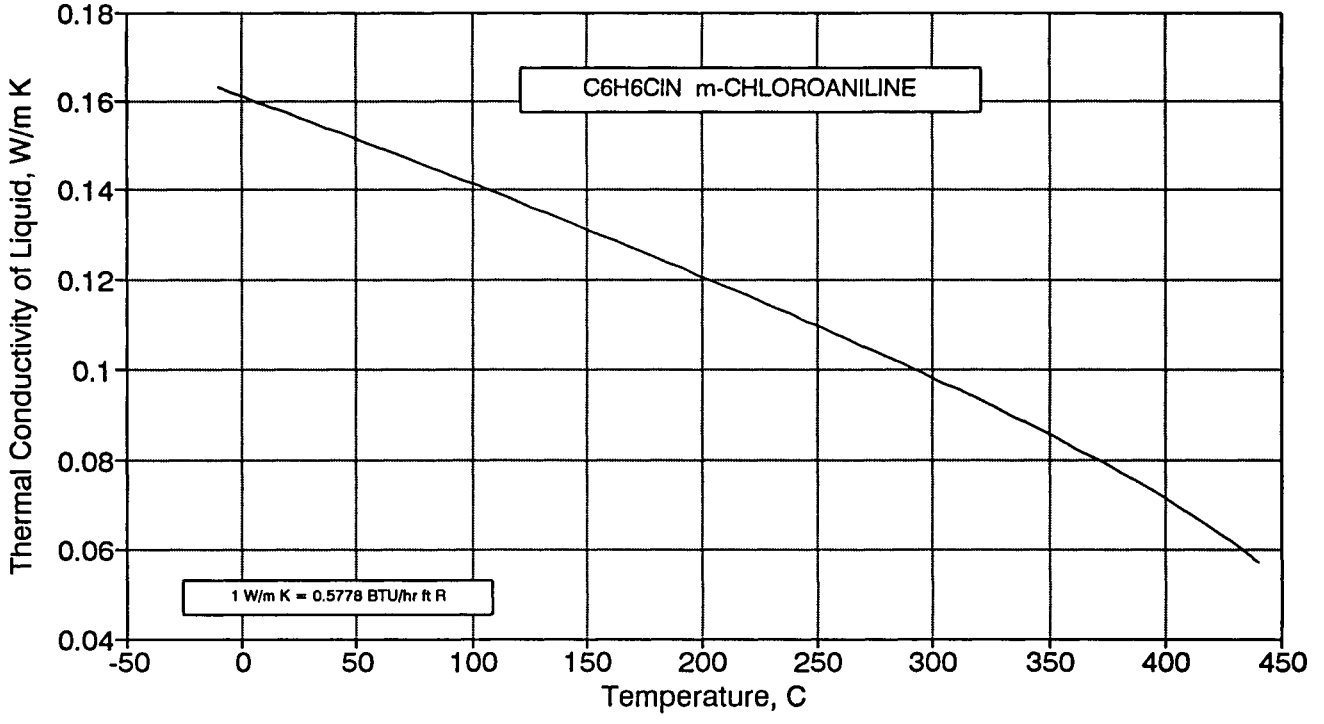
TB , K = 483.95

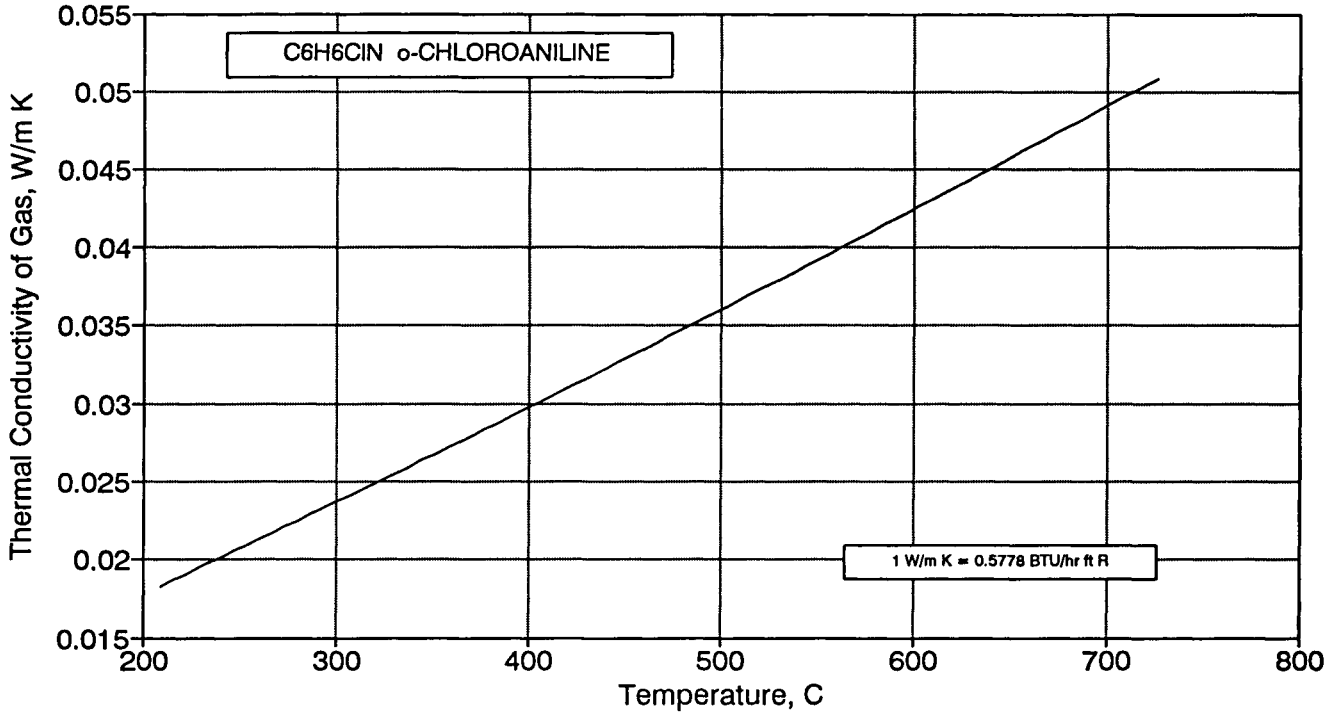


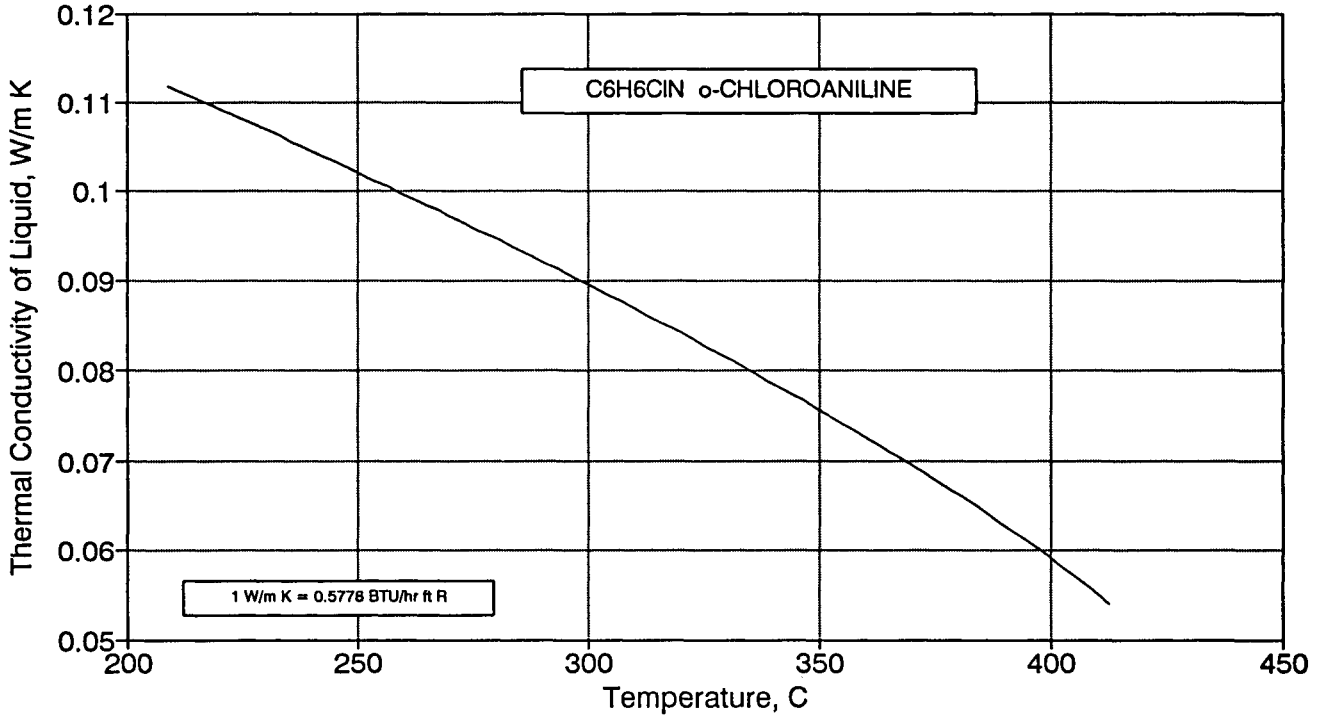

C6H6 BENZEN
Thermal Conductivity of Gas, W/m K
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
50
100
150
200
250
300
350
400
450
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

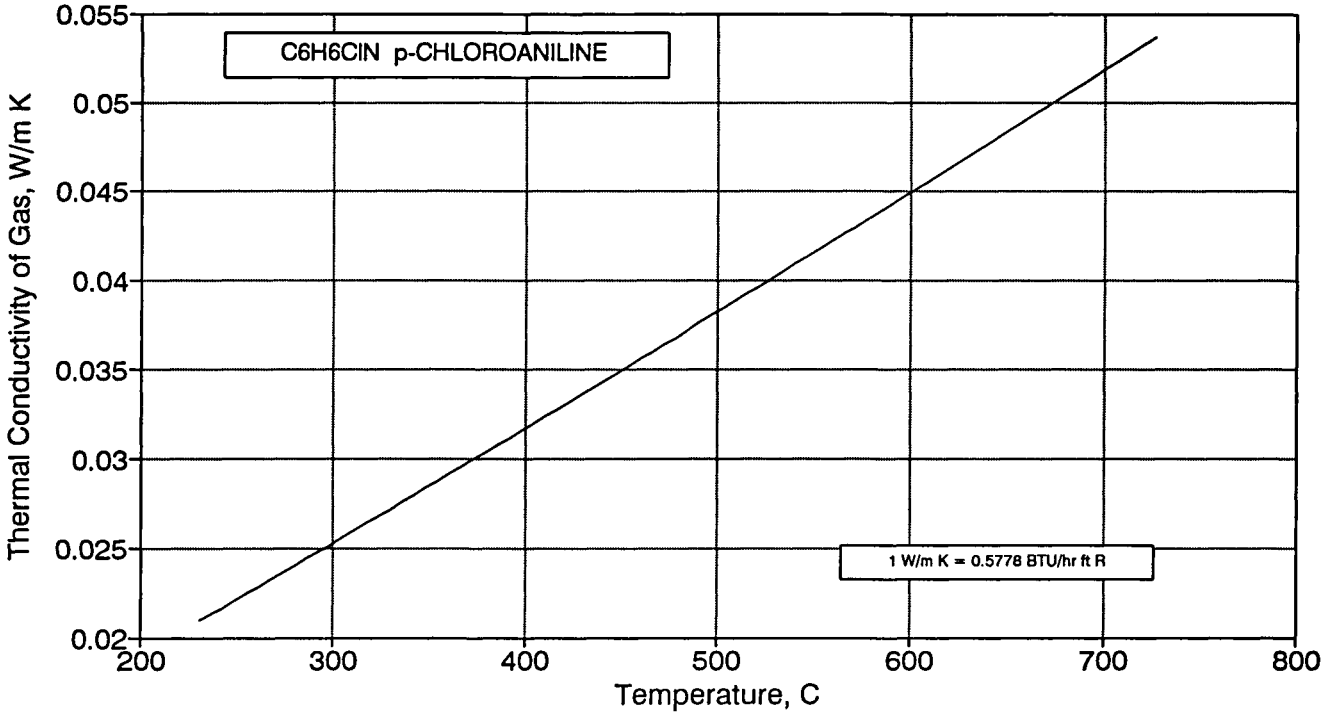

C6H6 BENZENE
Thermal Conductivity of Liquid, W/m K
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

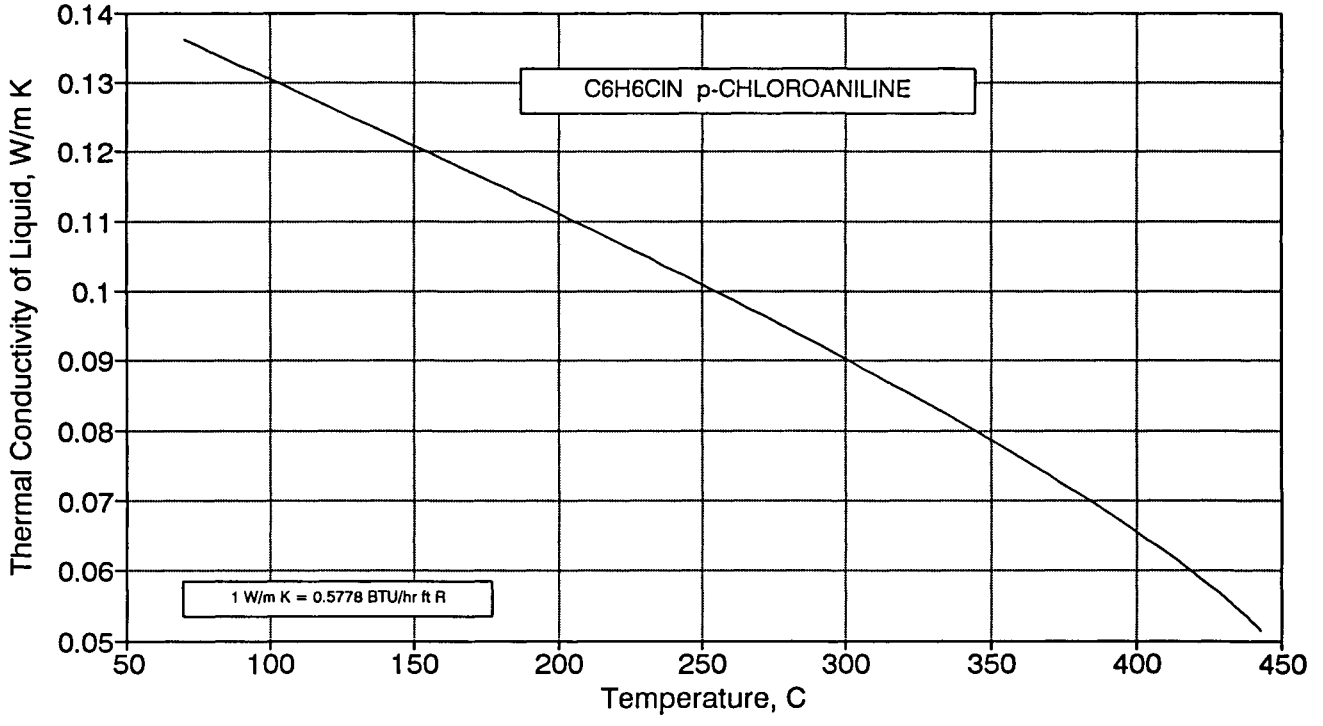

C6H6ClN m-CHLOROANILINE
Thermal Conductivity of Gas, W/m K
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

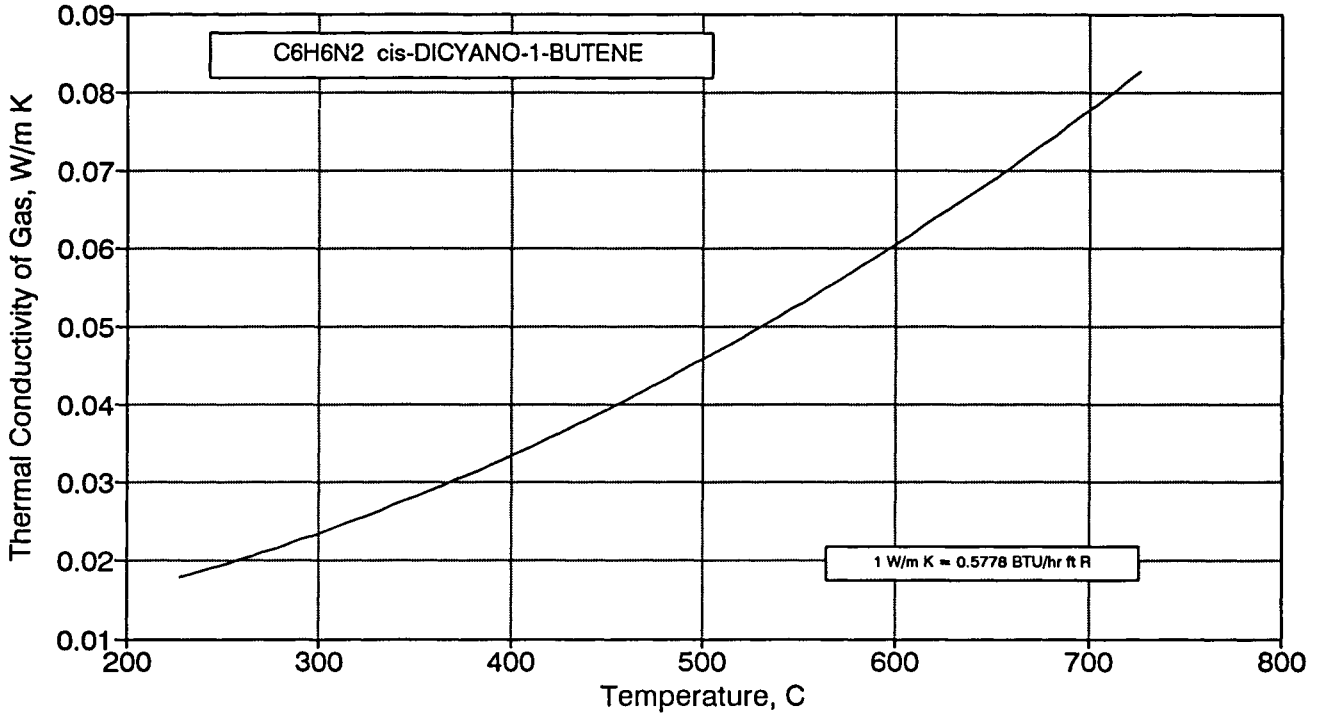

C6H6ClN m-CHLOROANILINE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-50
0
50
100
150
200
250
300
350
400
450
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

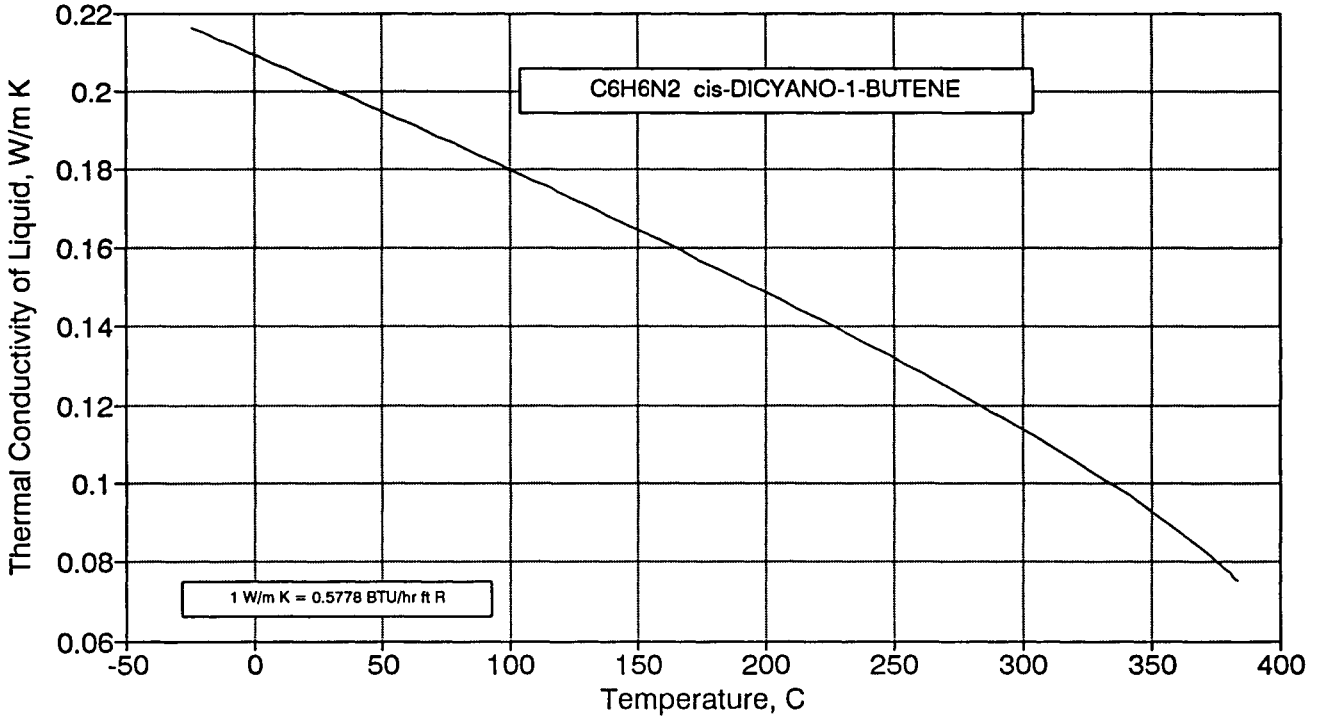

C6H6ClN o-CHLOROANILINE
Thermal Conductivity of Gas, W/m K
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

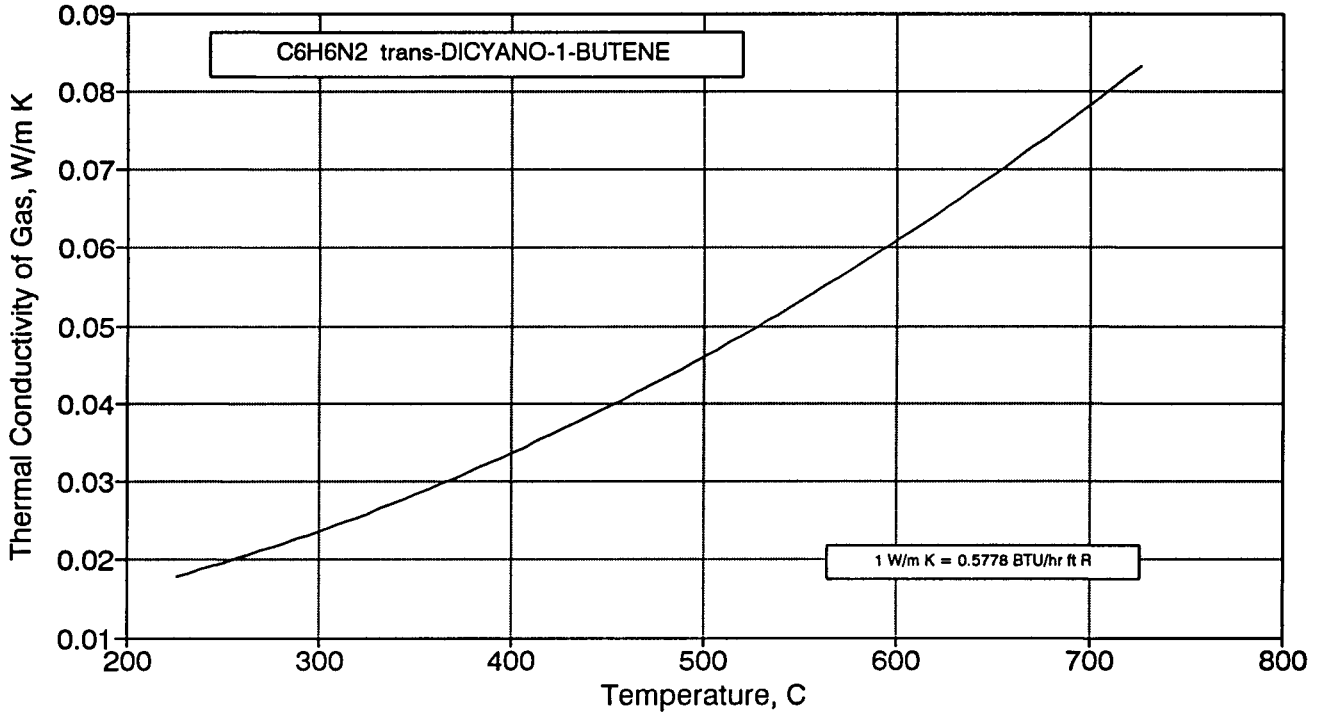

C6H6ClN o-CHLOROANILINE
Thermal Conductivity of Liquid, W/m K
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
200
250
300
350
400
450
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

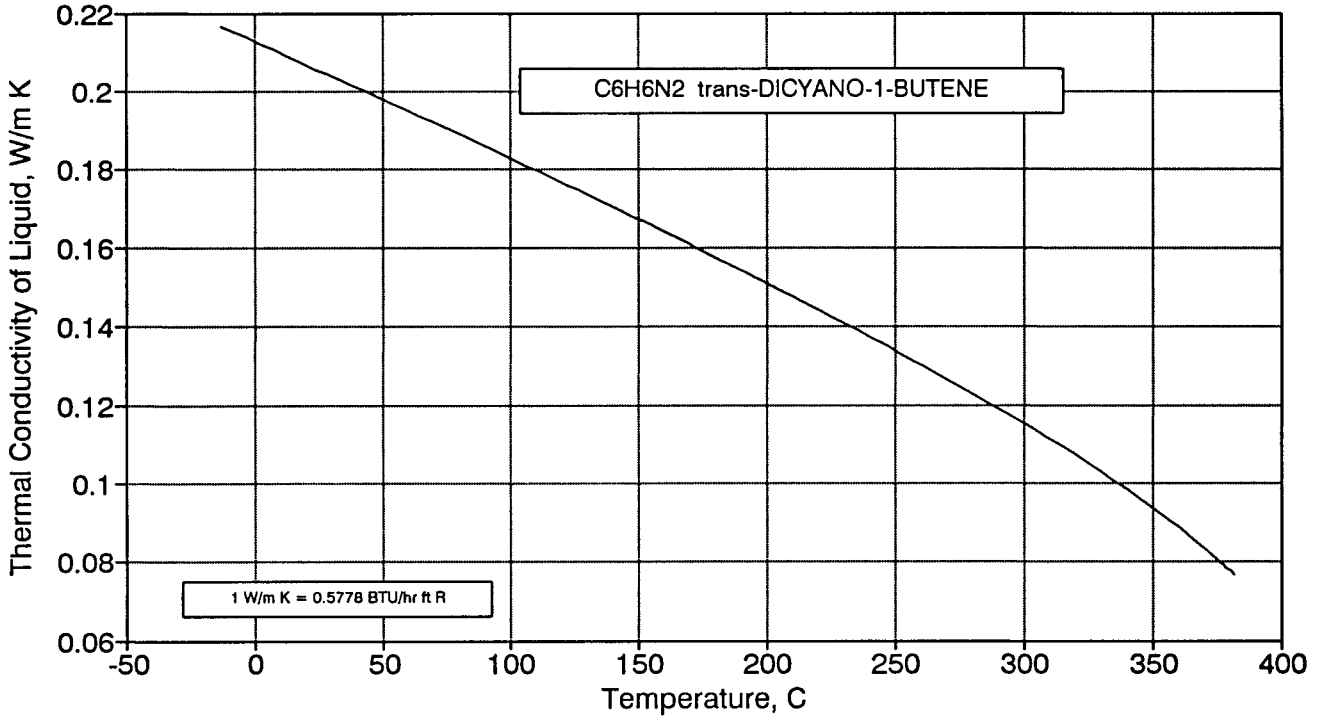

C6H6ClN p-CHLOROANILINE
Thermal Conductivity of Gas, W/m K
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

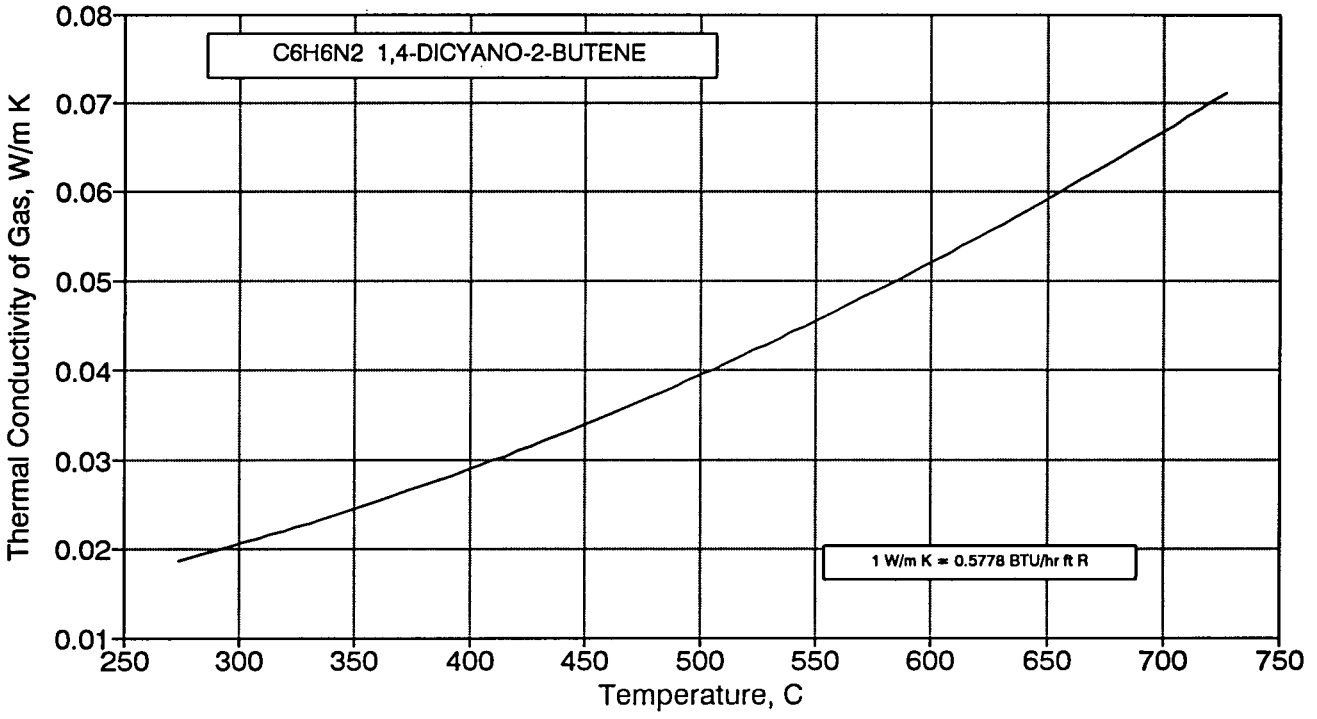

C6H6ClN p-CHLOROANILINE
Thermal Conductivity of Liquid, W/m K
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
50
100
150
200
250
300
350
400
450
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

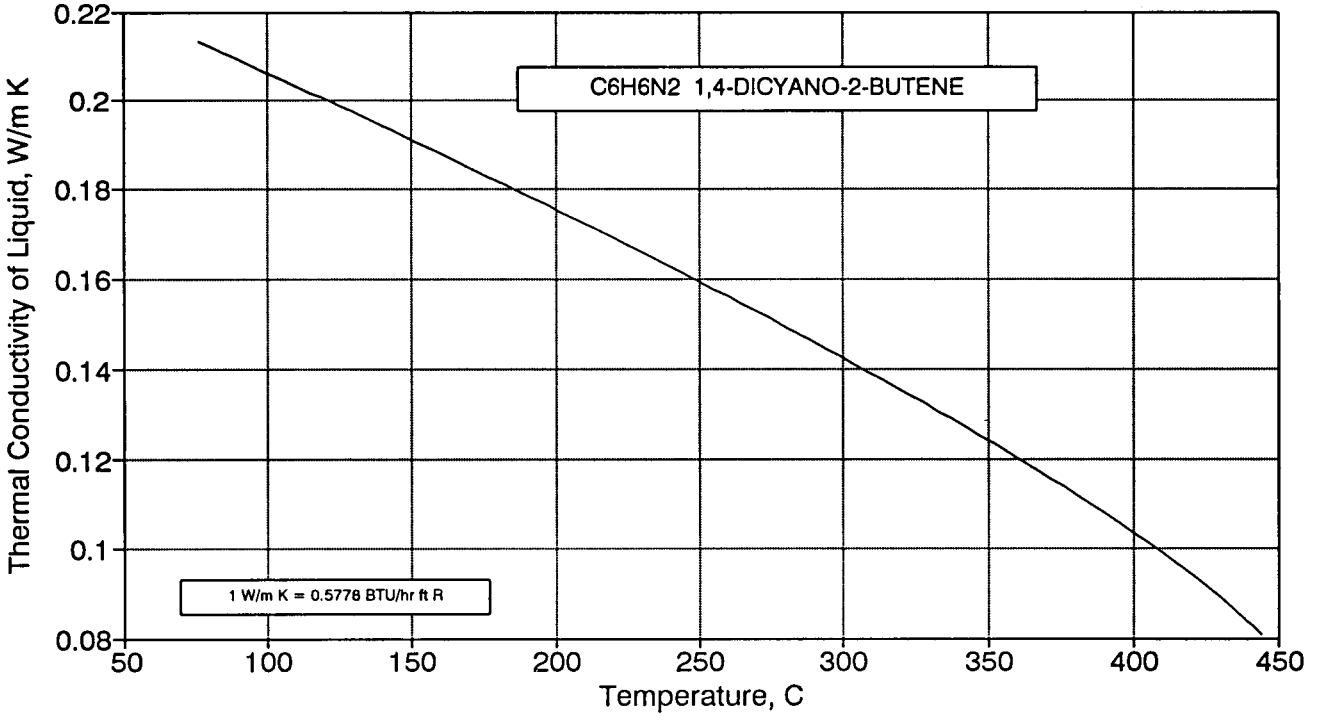

C6H6N2 cis-DICYANO-1-BUTENE
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H6N2 cis-DICYANO-1-BUTENE
Thermal Conductivity of Liquid, W/m K
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-50
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H6N2 trans-DICYANO-1-BUTENE
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H6N2 trans-DICYANO-1-BUTENE
Thermal Conductivity of Liquid, W/m K
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-50
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H6N2 1,4-DICYANO-2-BUTENE
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
250
300
350
400
450
500
550
600
650
700
750
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

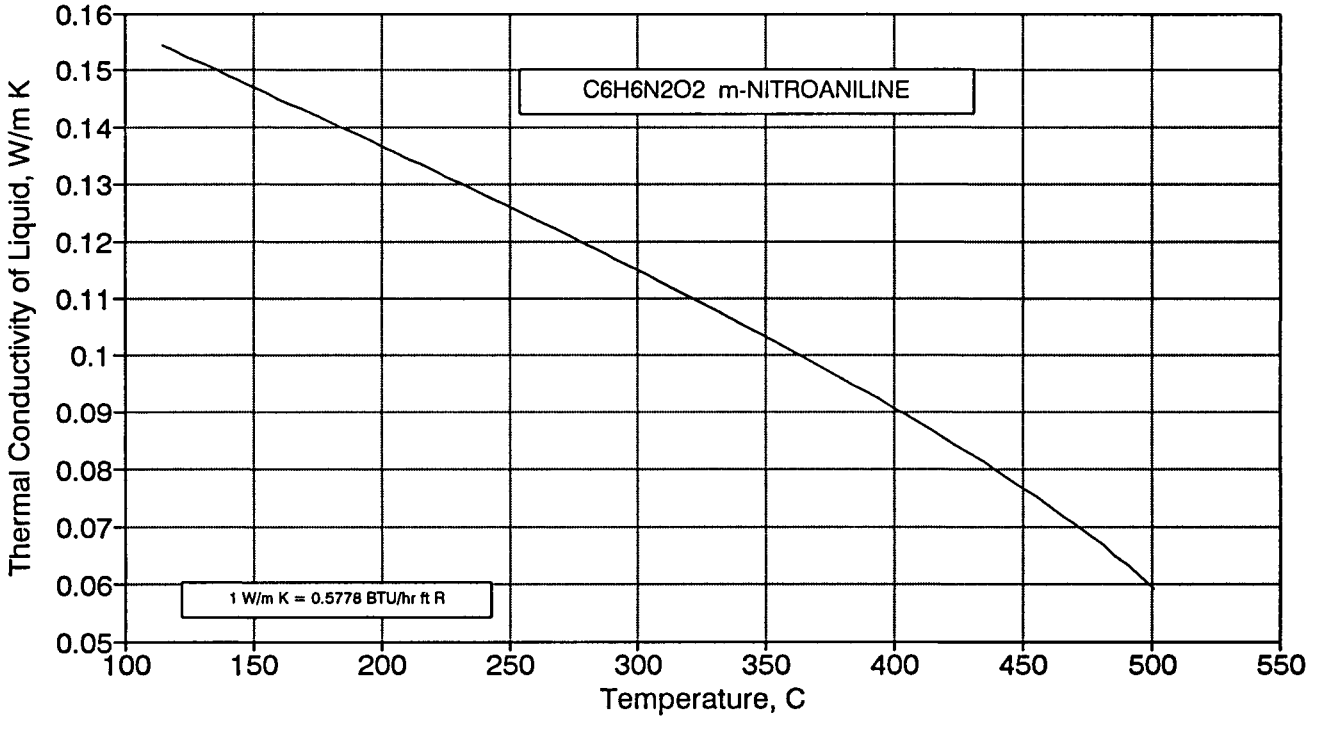

C6H6N2 1,4-DICYANO-2-BUTENE
Thermal Conductivity of Liquid, W/m K
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
50
100
150
200
250
300
350
400
450
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

C6H6N2O2 m-NITROANILINE

Gas thermal conductivity data are not available .

TF , K = 387.15

TB , K = 579.00

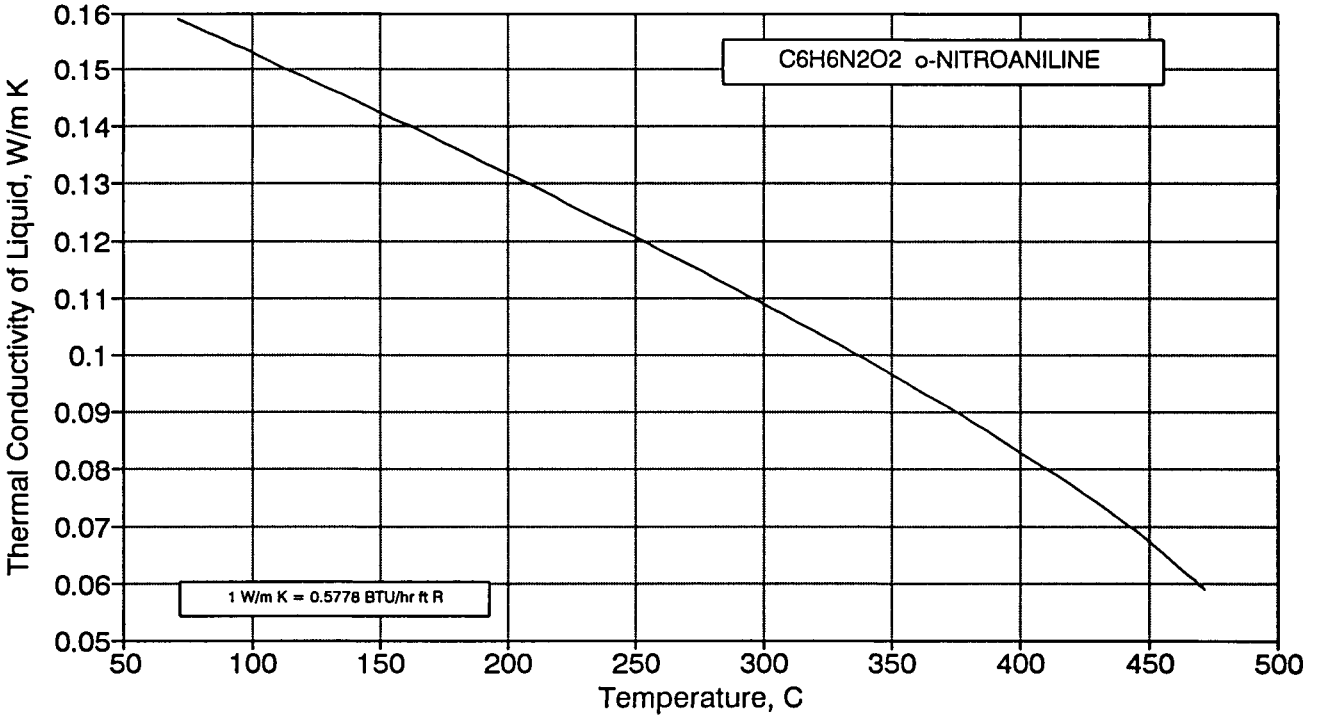


C6H6N2O2 o-NITROANILINE

Gas thermal conductivity data are not available .

TF , K = 344.65

TB , K = 558.00

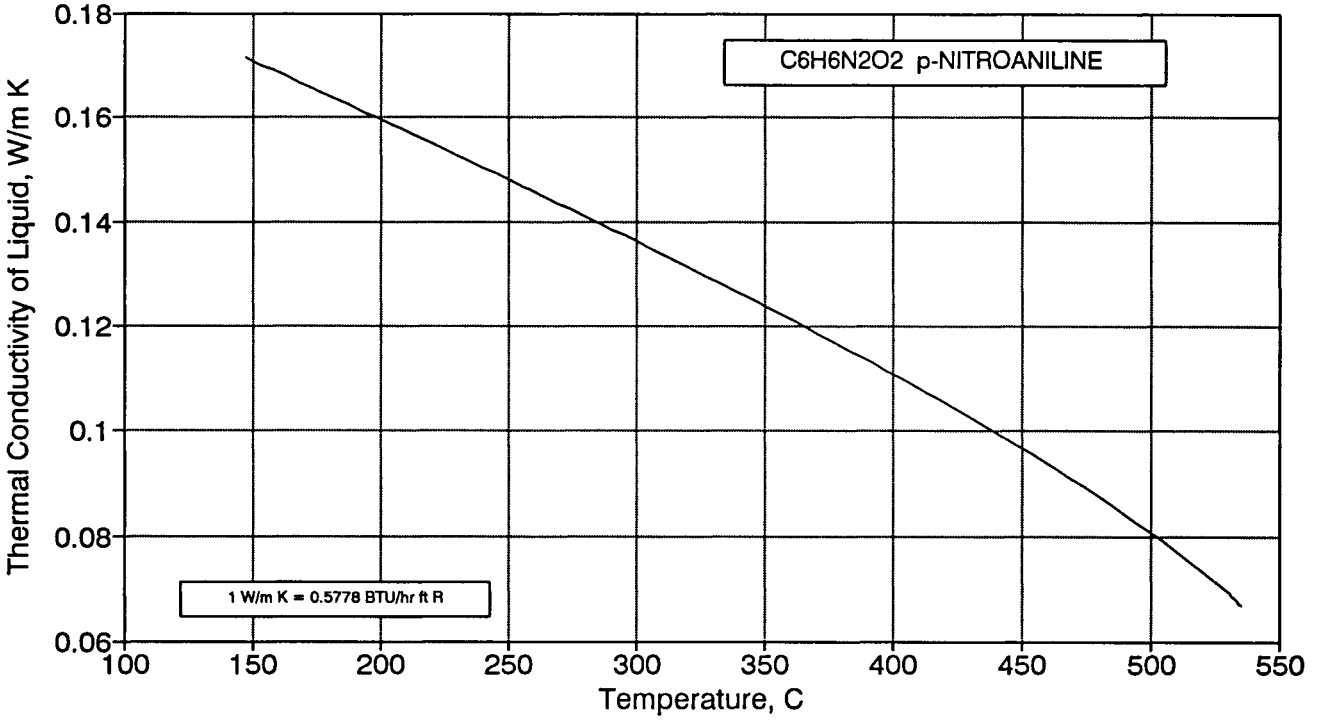


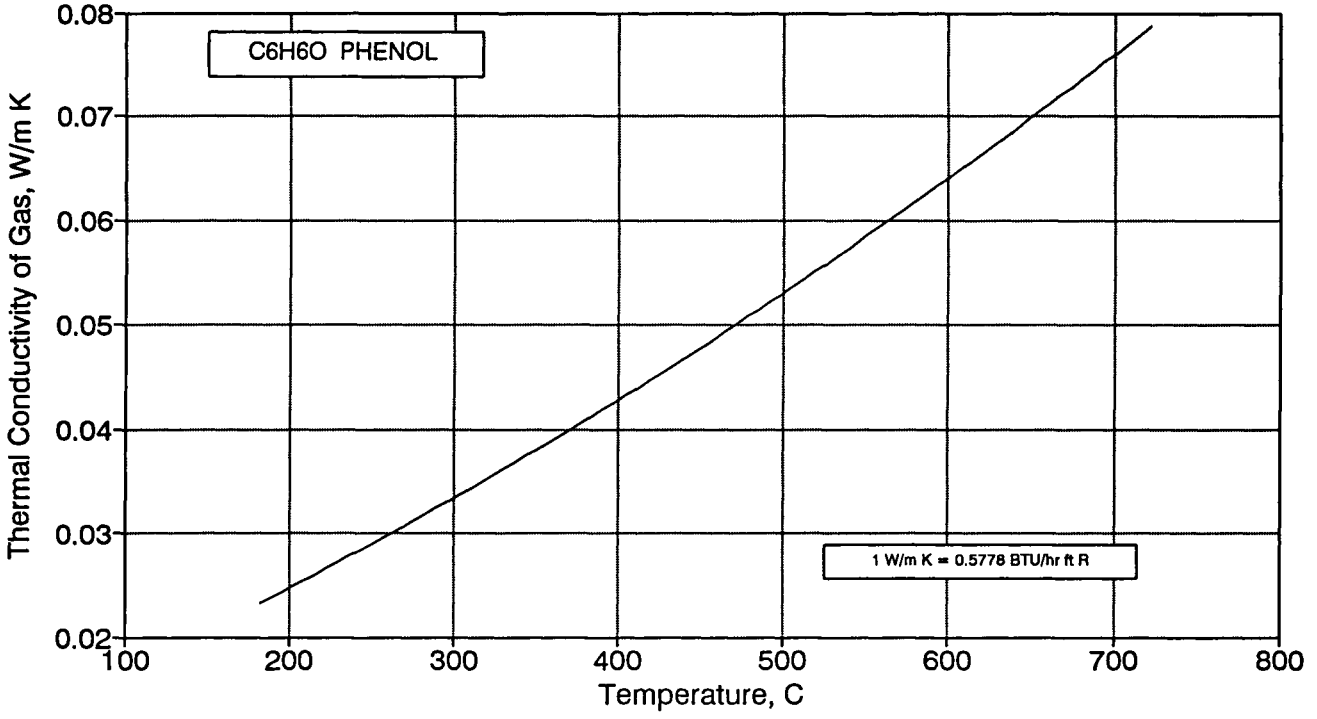
C6H6N2O2 p-NITROANILINE

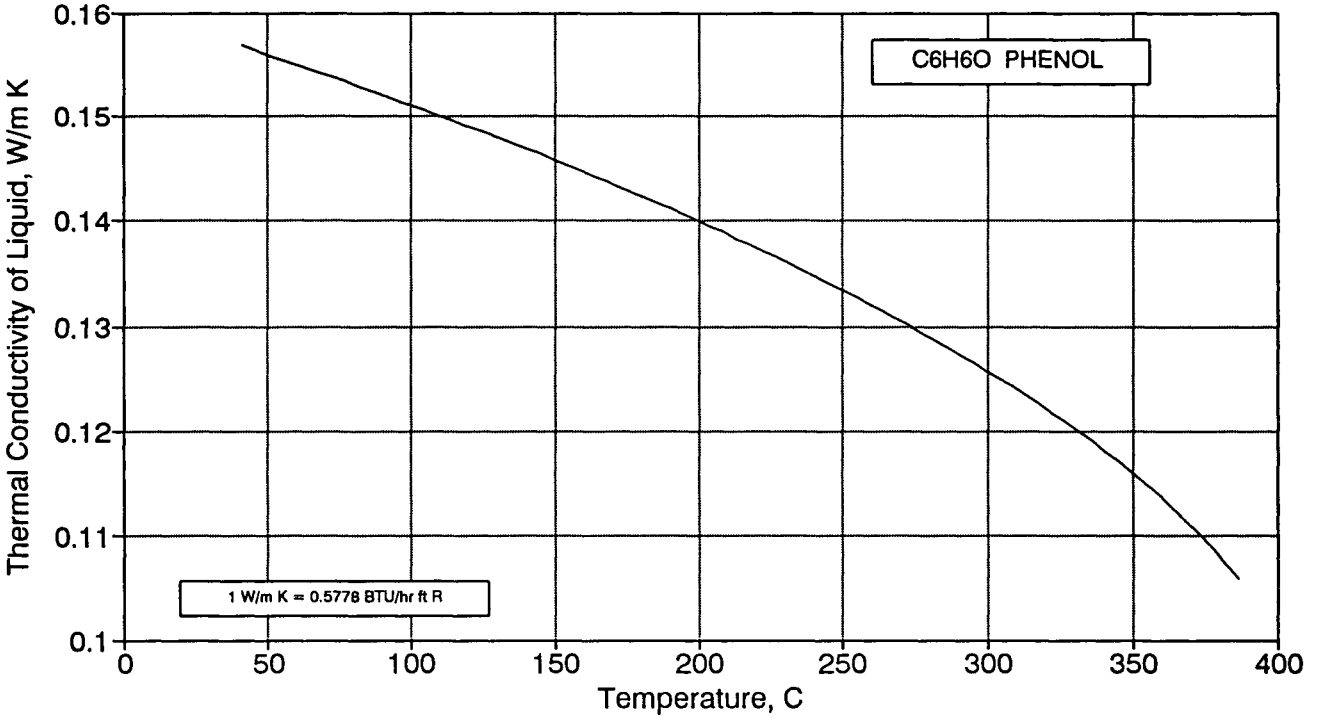
Gas thermal conductivity data are not available .

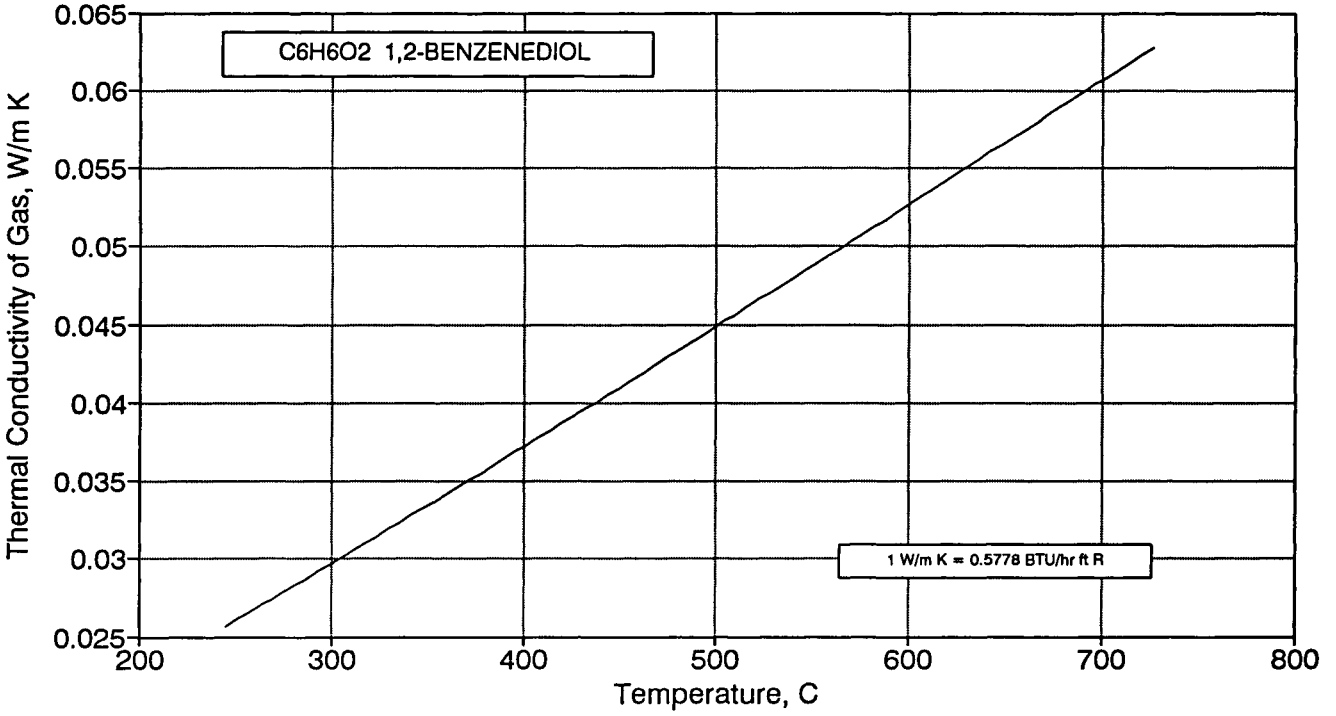
TF , K = 420.65

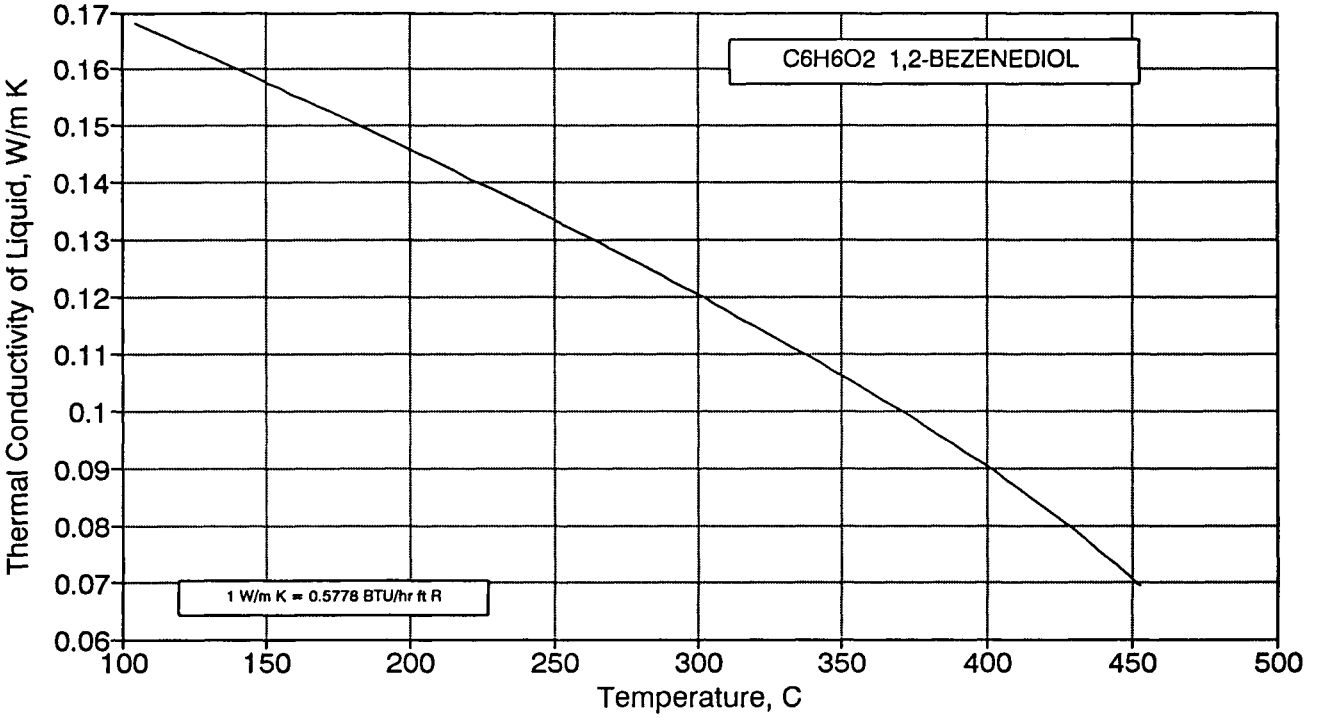
TB , K = 609.15

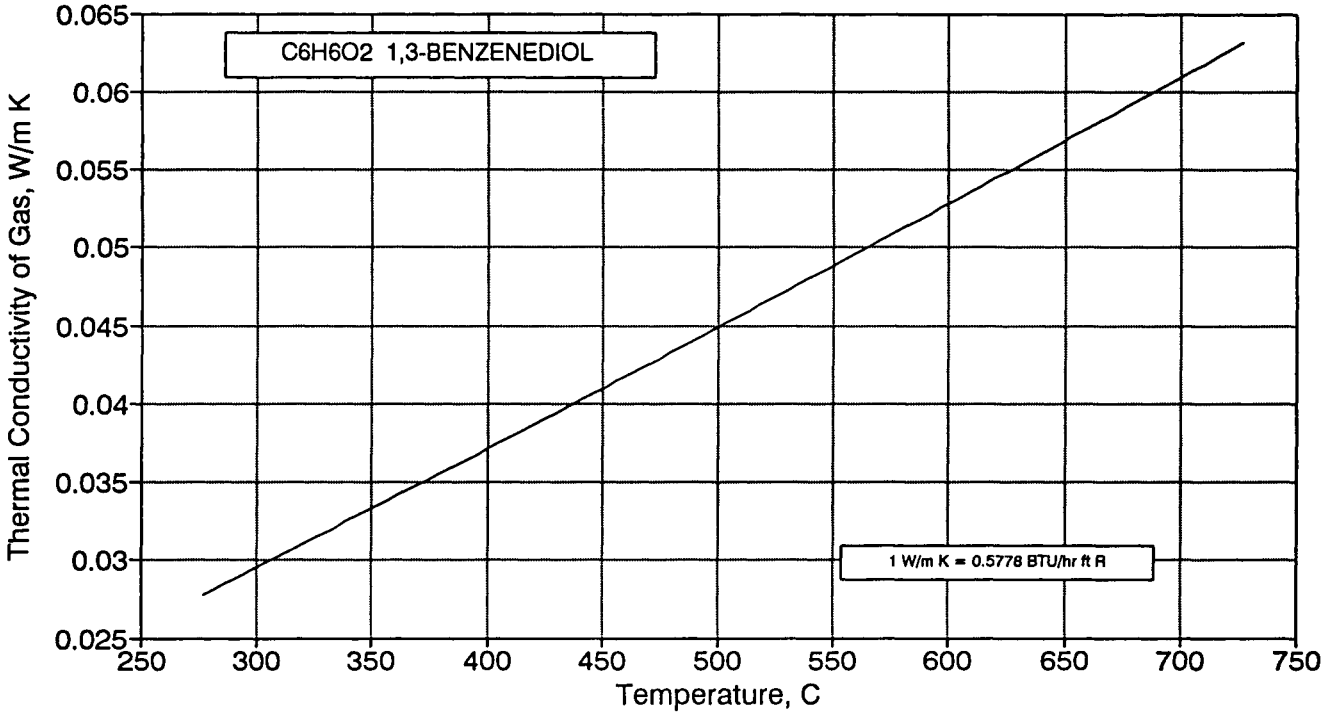


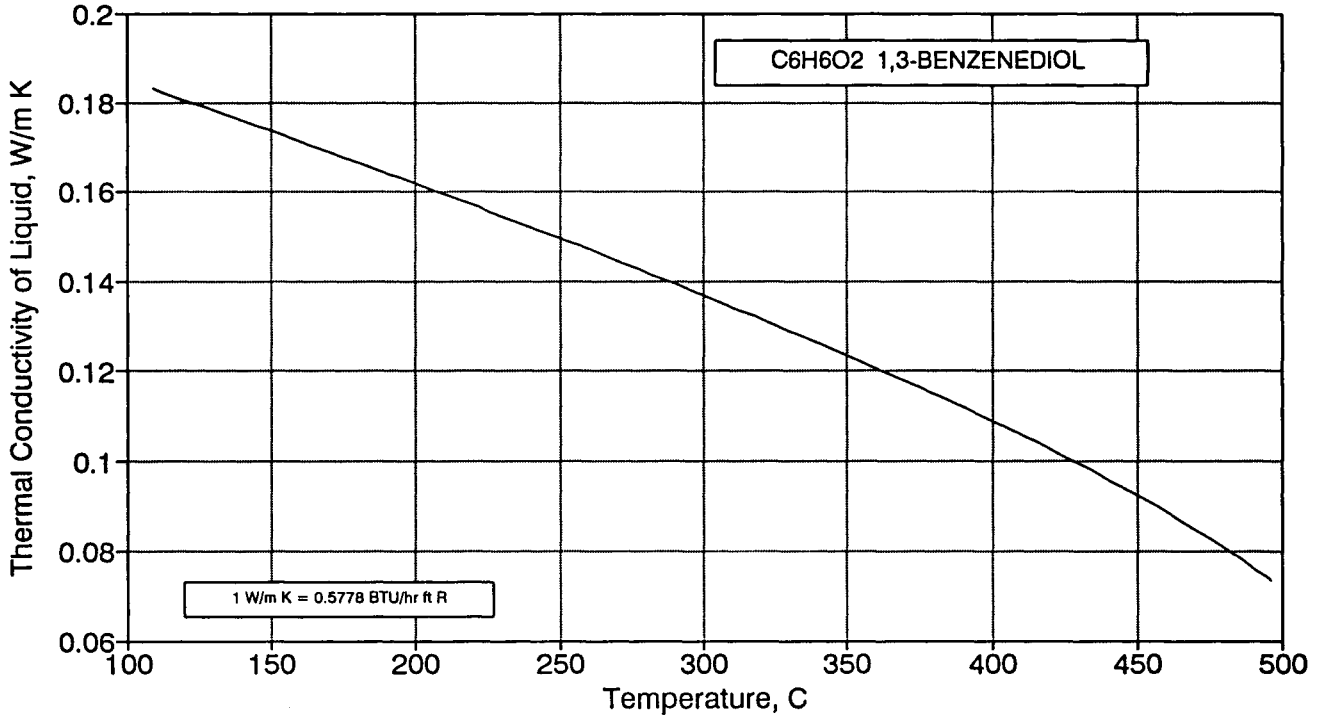

C6H6O PHENOL
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

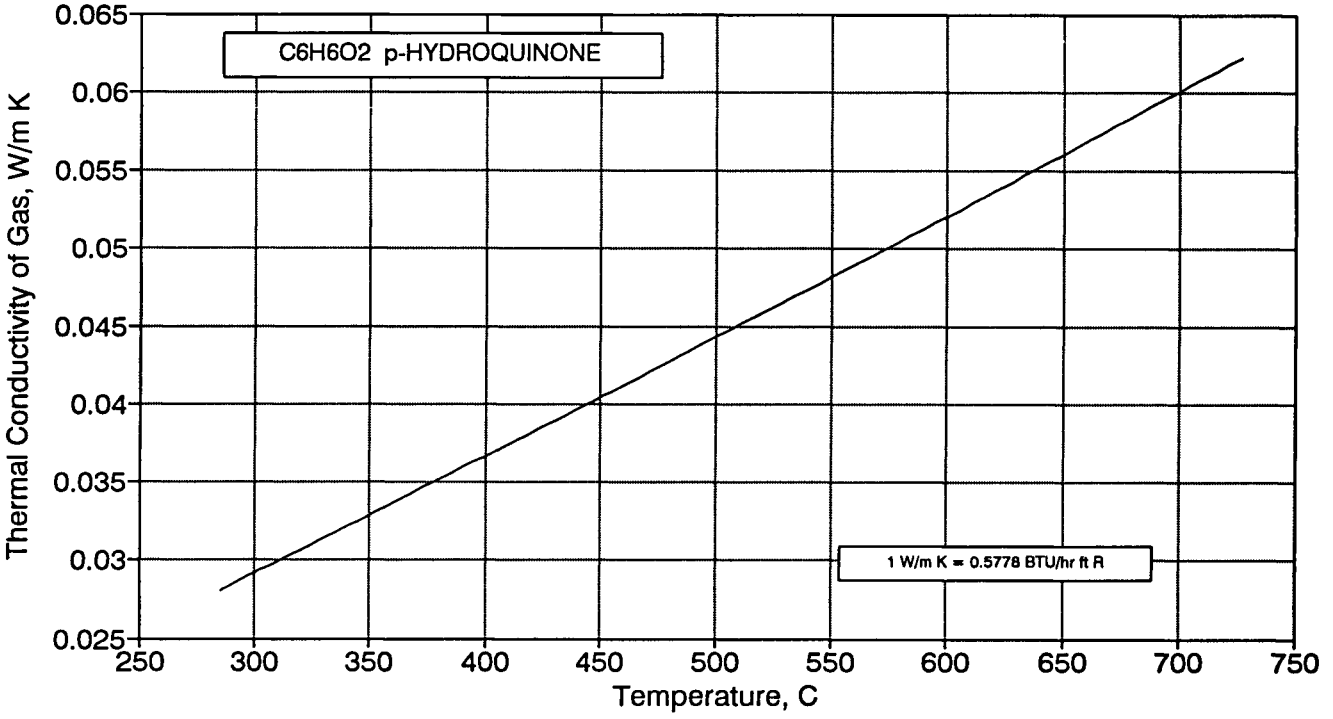

C6H6O PHENOL
Thermal Conductivity of Liquid, W/m K
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

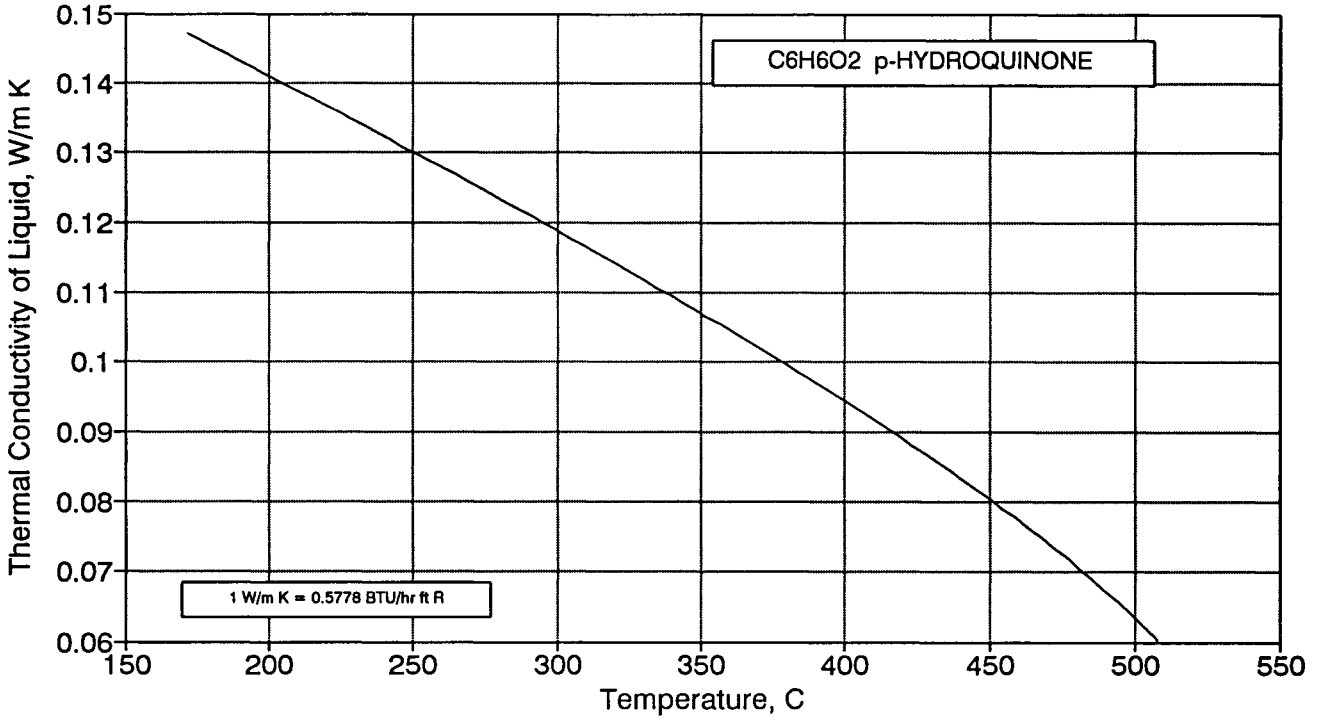

C6H6O2 1,2-BENZENEDIOL
Thermal Conductivity of Gas, W/m K
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

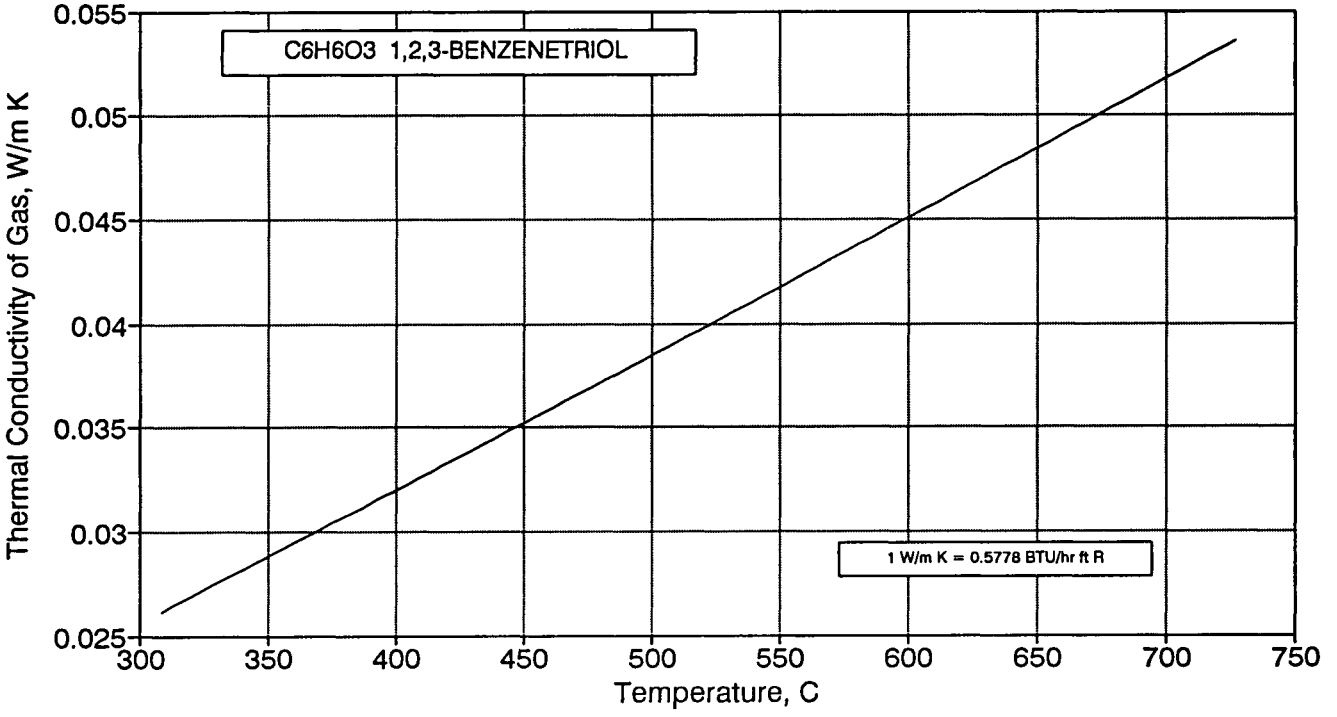

C6H6O2 1,2-BEZENEDIOL
Thermal Conductivity of Liquid, W/m K
0.17
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
100
150
200
250
300
350
400
450
500
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

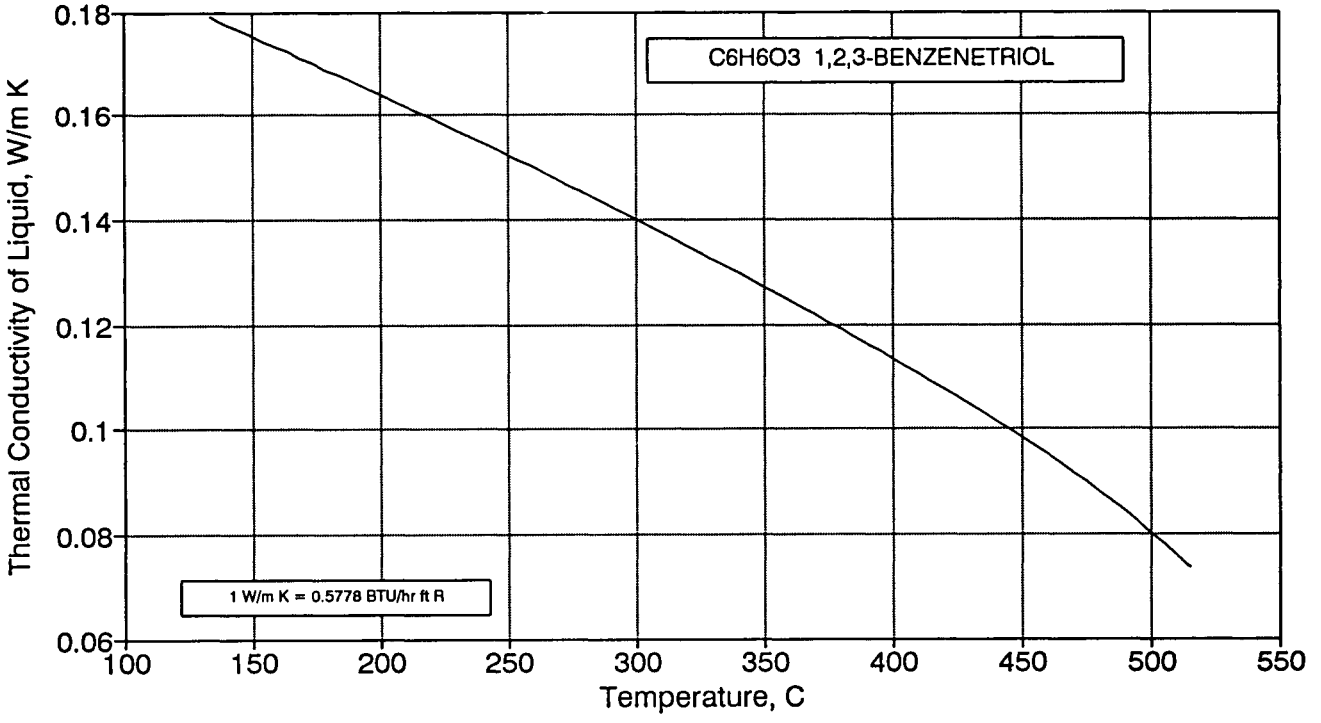

C6H6O2 1,3-BENZENEDIOL
Thermal Conductivity of Gas, W/m K
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
250
300
350
400
450
500
550
600
650
700
750
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

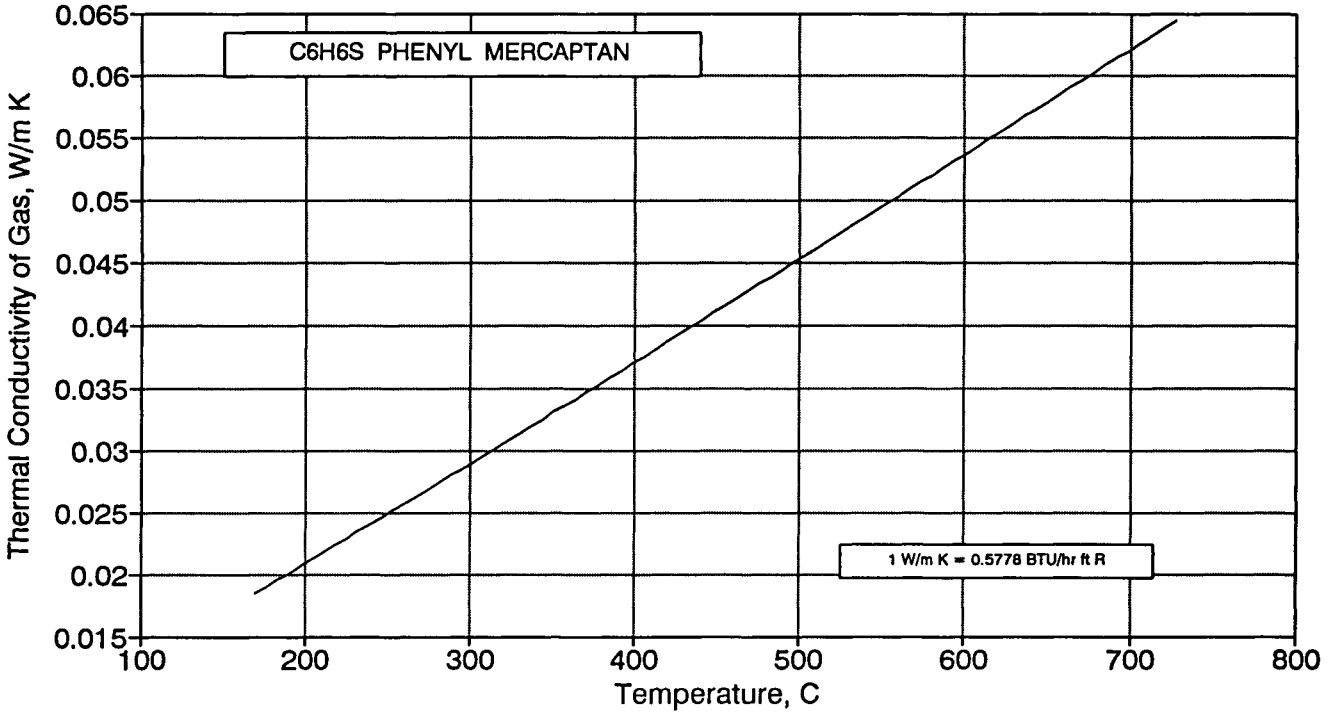

C6H6O2 1,3-BENZENEDIOL
Thermal Conductivity of Liquid, W/m K
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
100
150
200
250
300
350
400
450
500
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

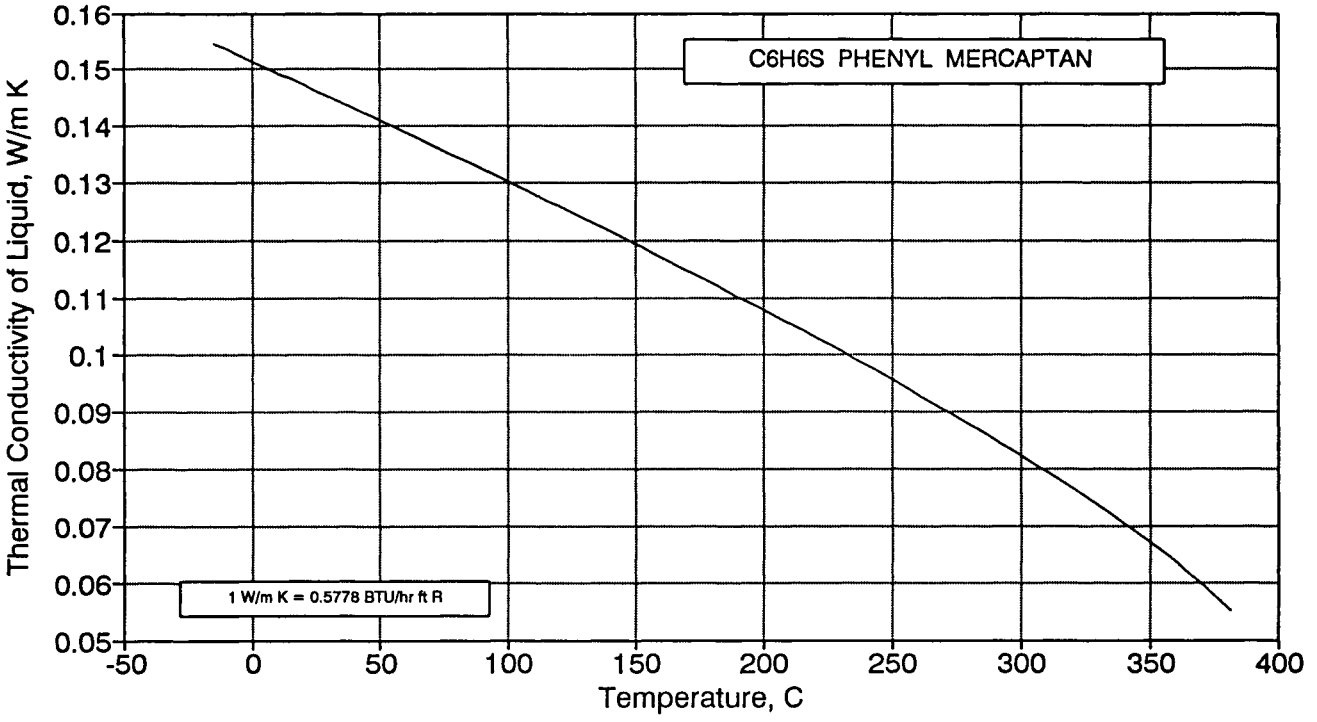

C6H6O2 p-HYDROQUINONE
Thermal Conductivity of Gas, W/m K
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
250
300
350
400
450
500
550
600
650
700
750
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

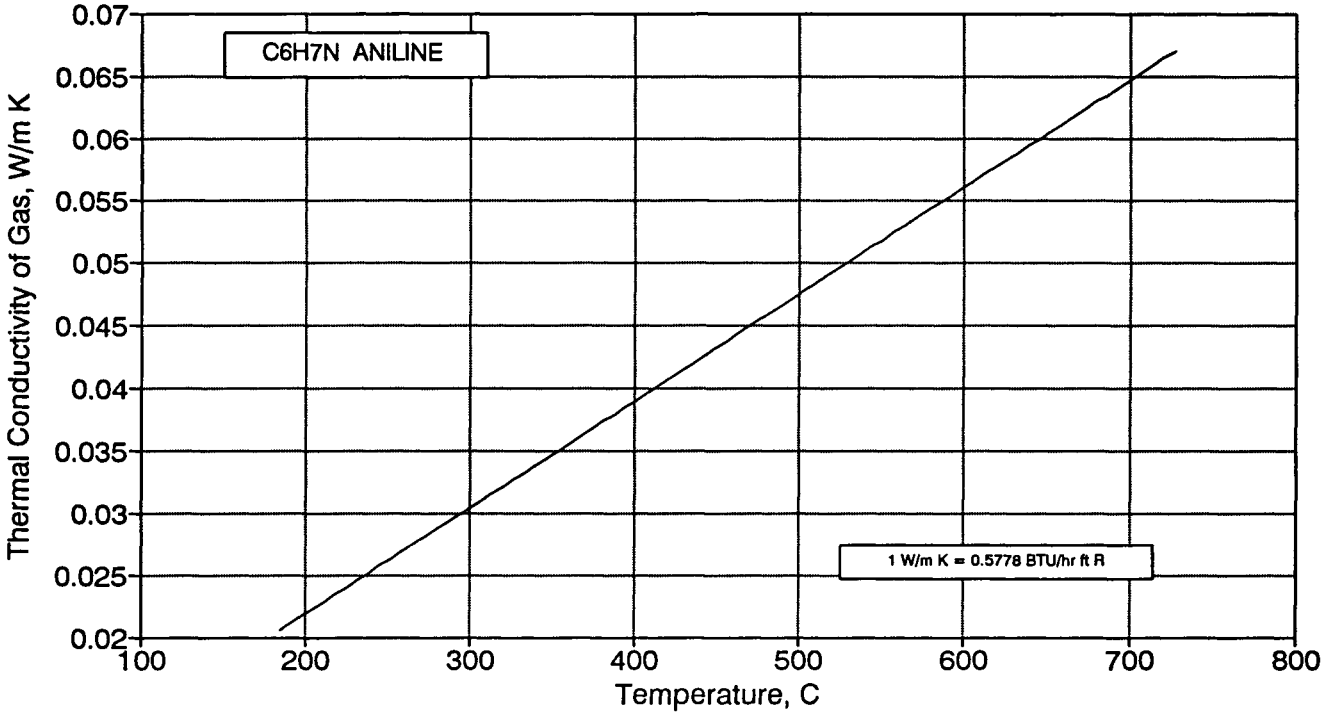

C6H6O2 p-HYDROQUINONE
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
150
200
250
300
350
400
450
500
550
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

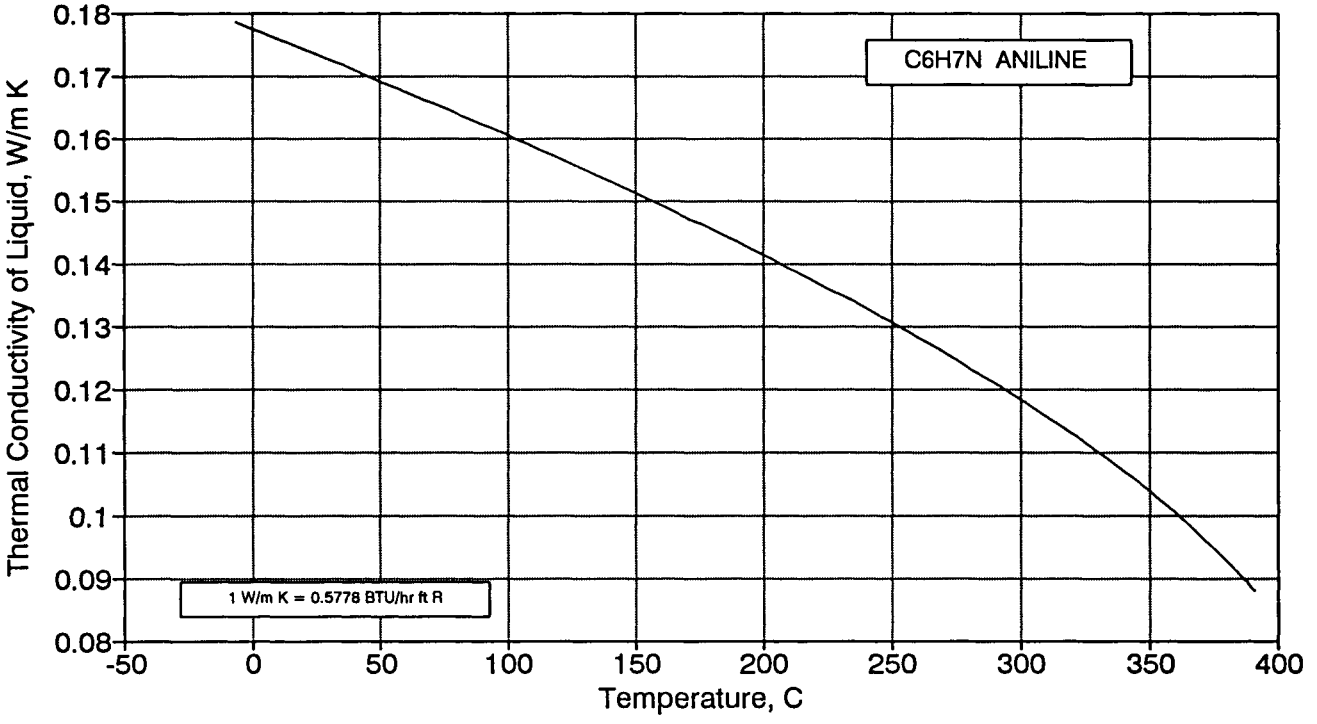

C6H6O3 1,2,3-BENZENETRIOL
Thermal Conductivity of Gas, W/m K
0.055
0.05
0.045
0.04
0.035
0.03
0.025
300
350
400
450
500
550
600
650
700
750
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

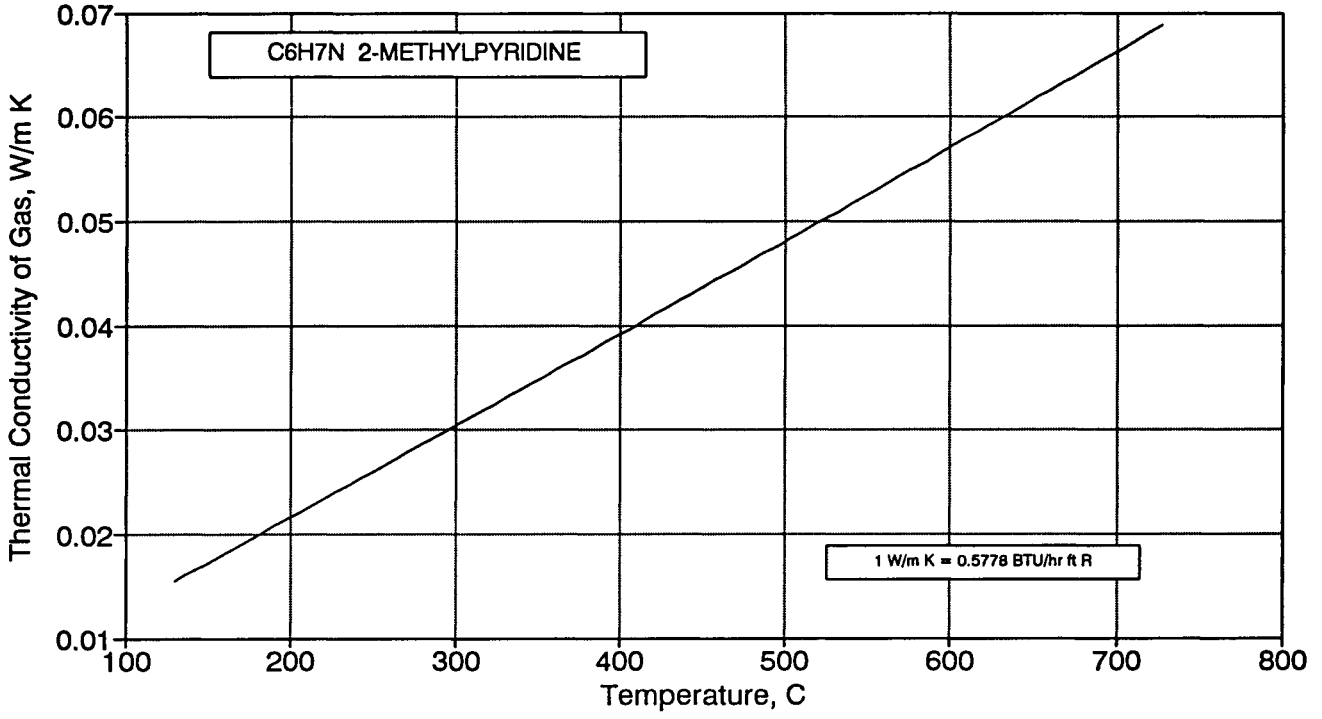

C6H6O3 1,2,3-BENZENETRIOL
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
100
150
200
250
300
350
400
450
500
550
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

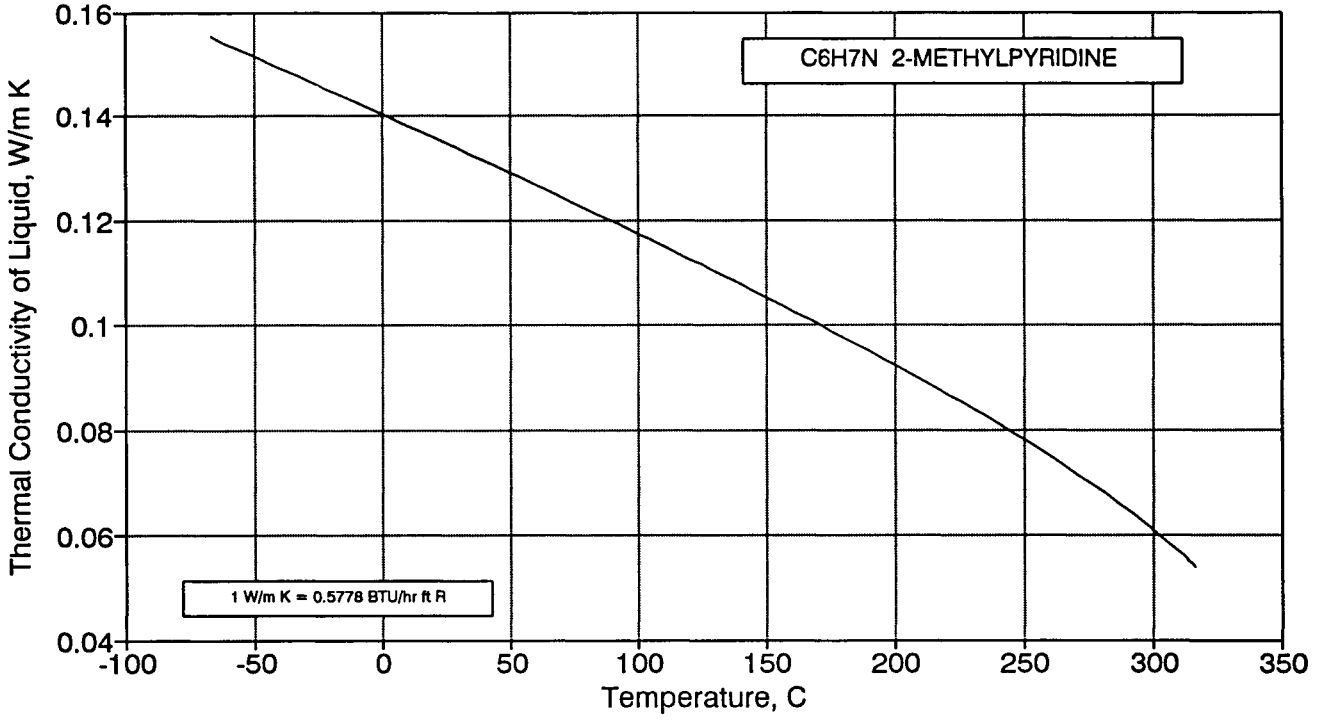

C6H6S PHENYL MERCAPTAN
Thermal Conductivity of Gas, W/m K
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

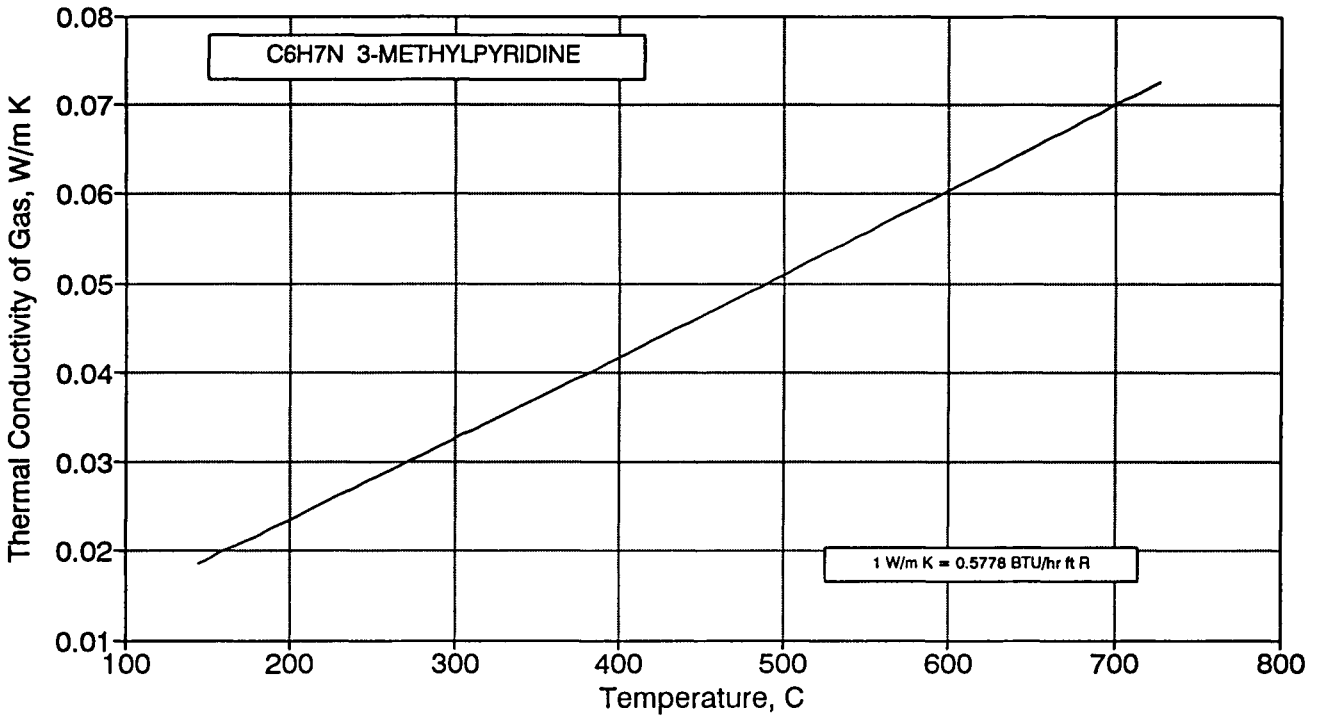

C6H6S PHENYL MERCAPTAN
Thermal Conductivity of Liquid, W/m K
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
-50
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

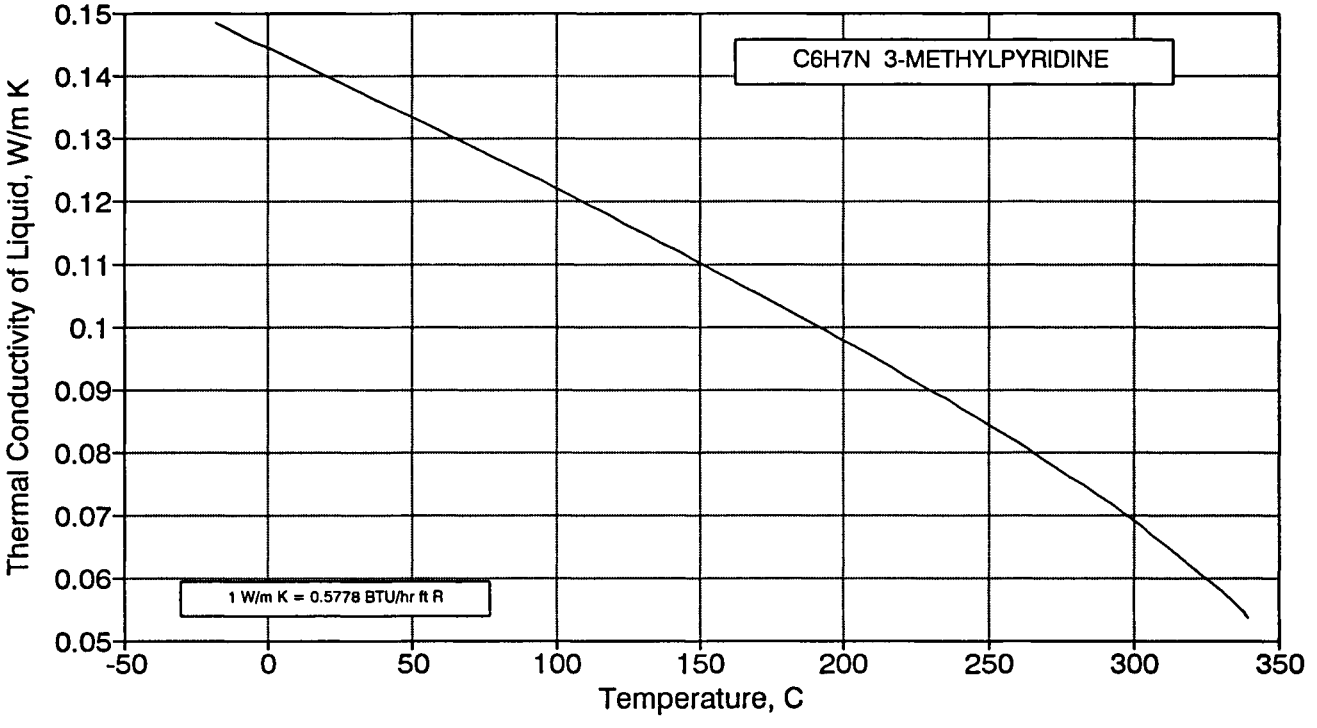

C6H7N ANILINE
Thermal Conductivity of Gas, W/m K
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

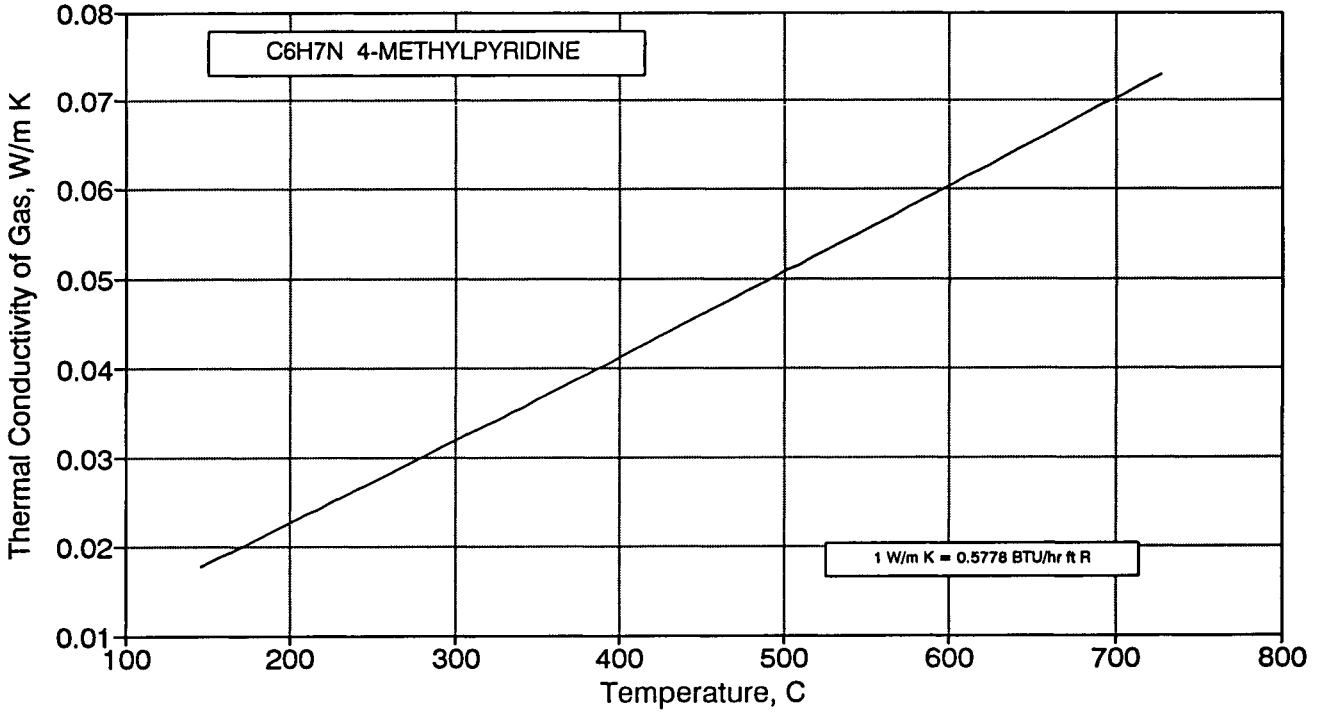

C6H7N ANILINE
Thermal Conductivity of Liquid, W/m K
0.18
0.17
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
-50
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

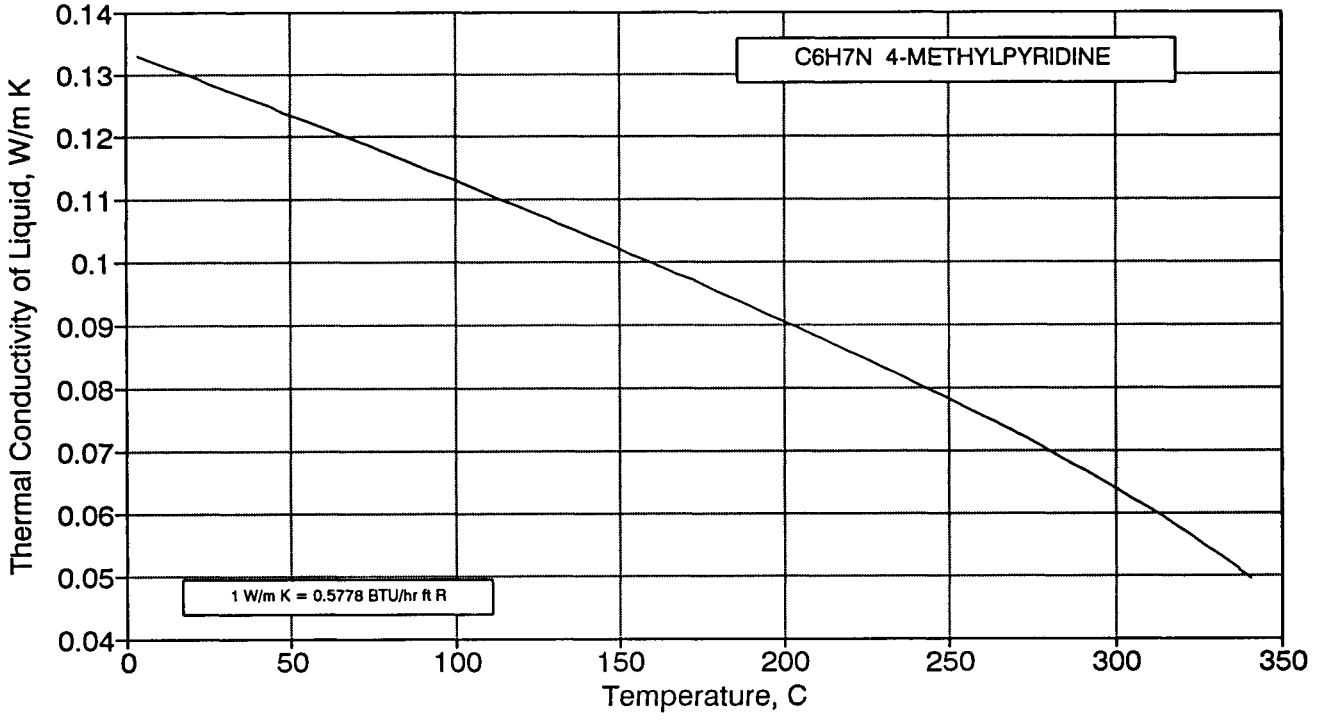

C6H7N 2-METHYLPYRIDINE
Thermal Conductivity of Gas, W/m K
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

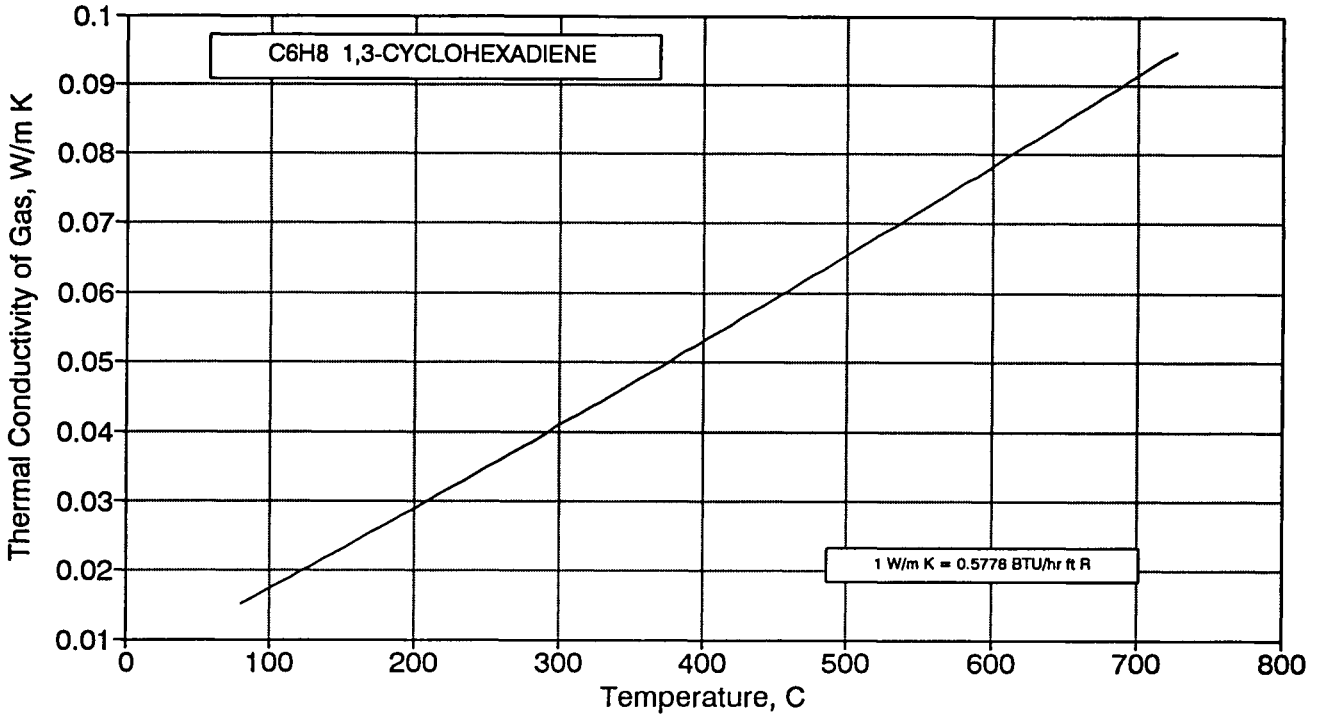

C6H7N 2-METHYLPYRIDINE
Thermal Conductivity of Liquid, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

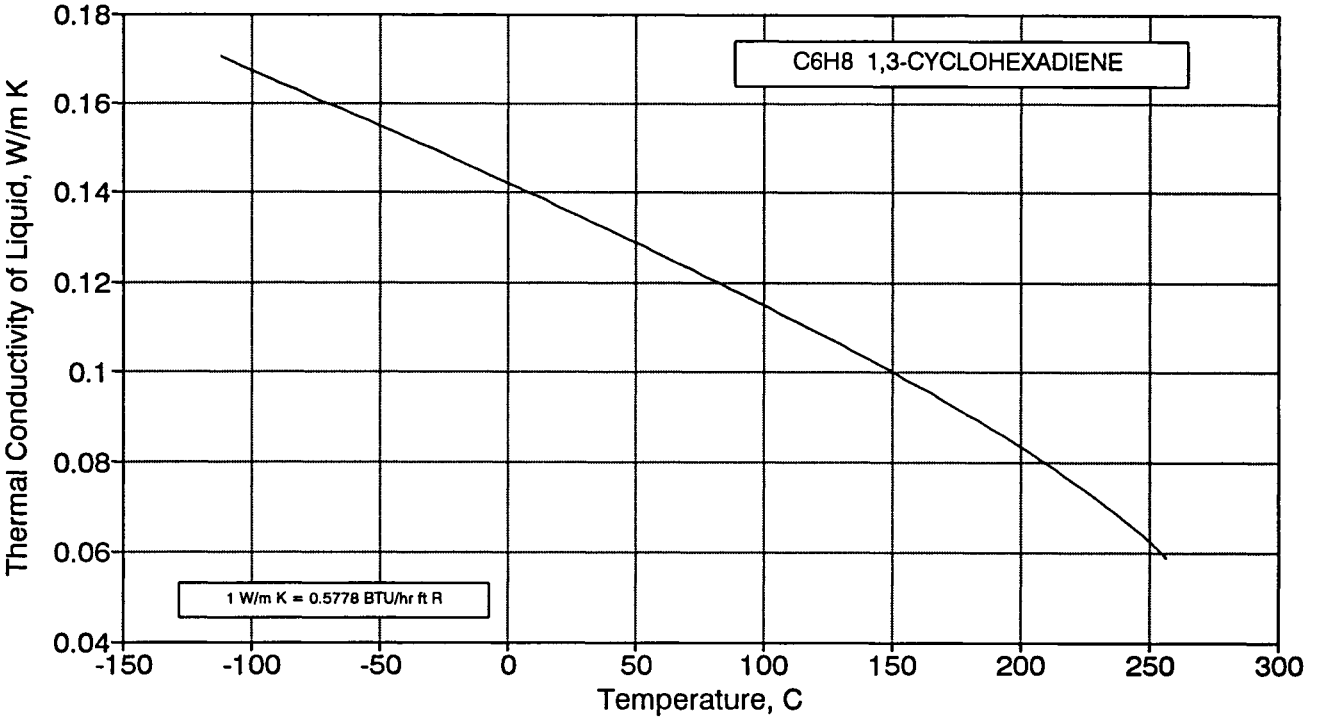

C6H7N 3-METHYLPYRIDINE
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

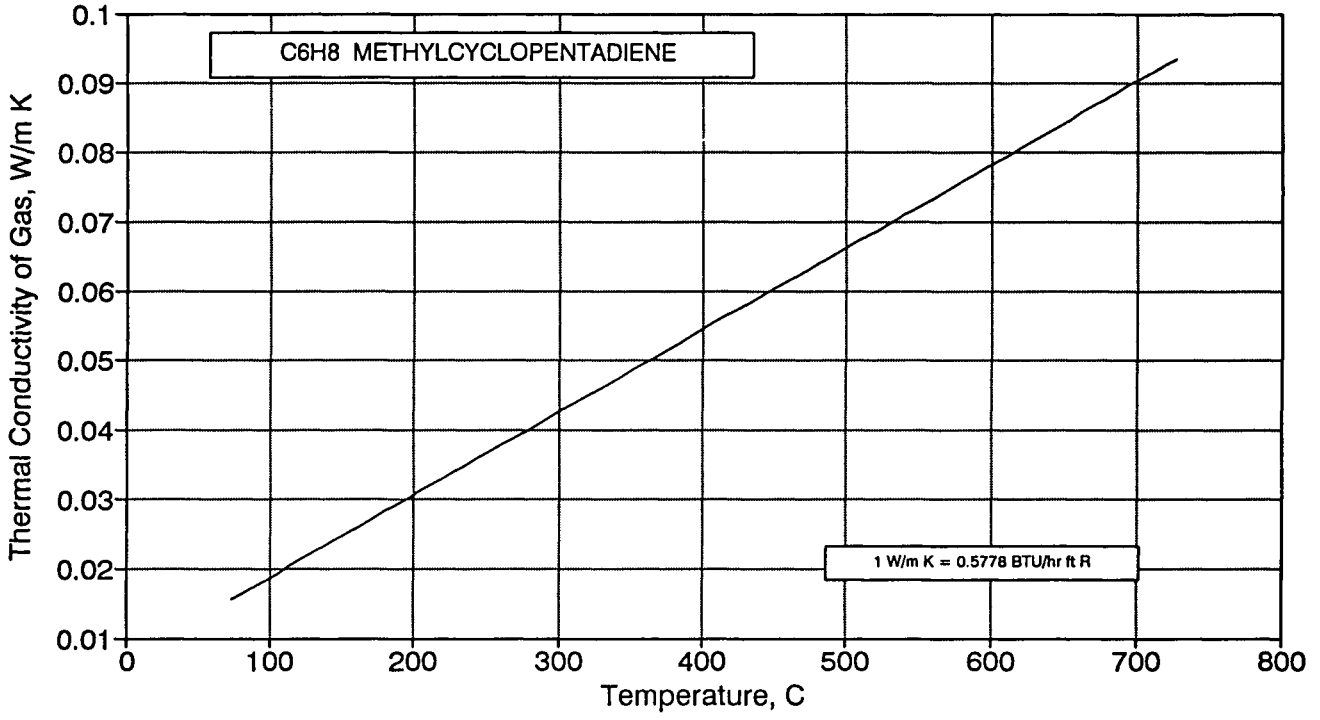

C6H7N 3-METHYLPYRIDINE
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

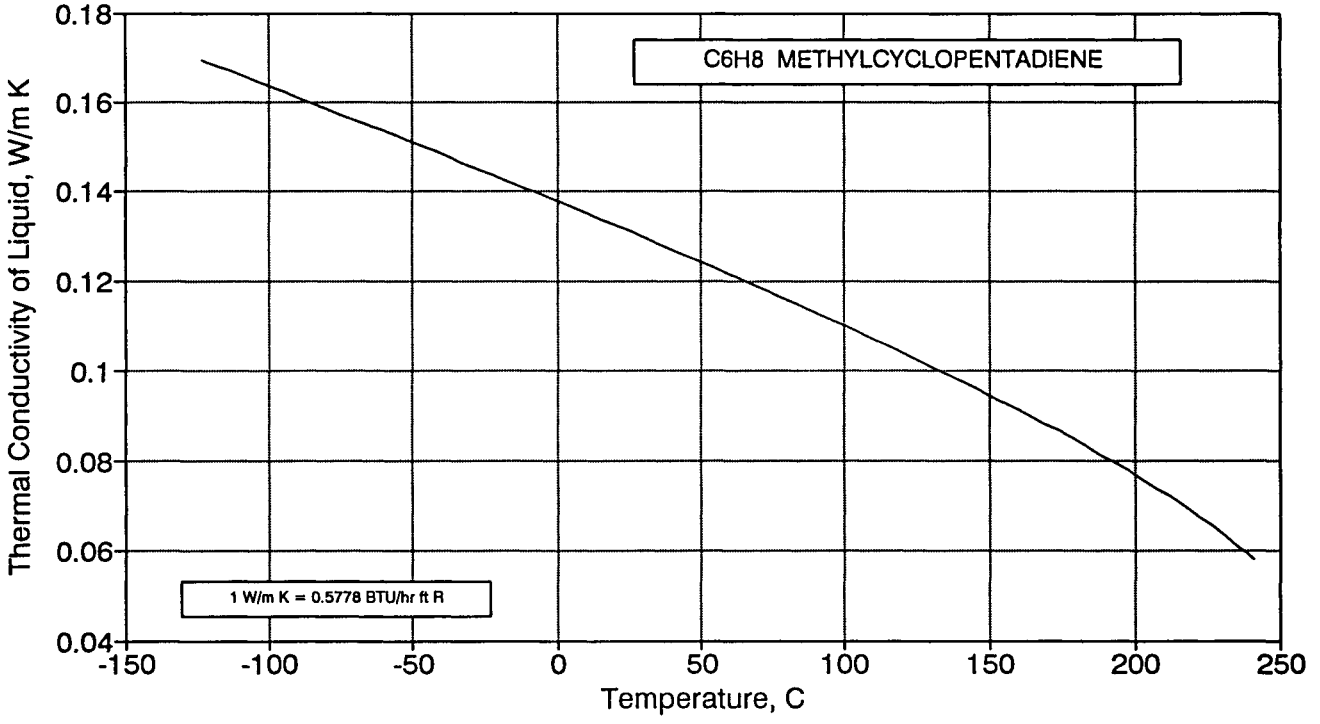

C6H7N 4-METHYLPYRIDINE
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

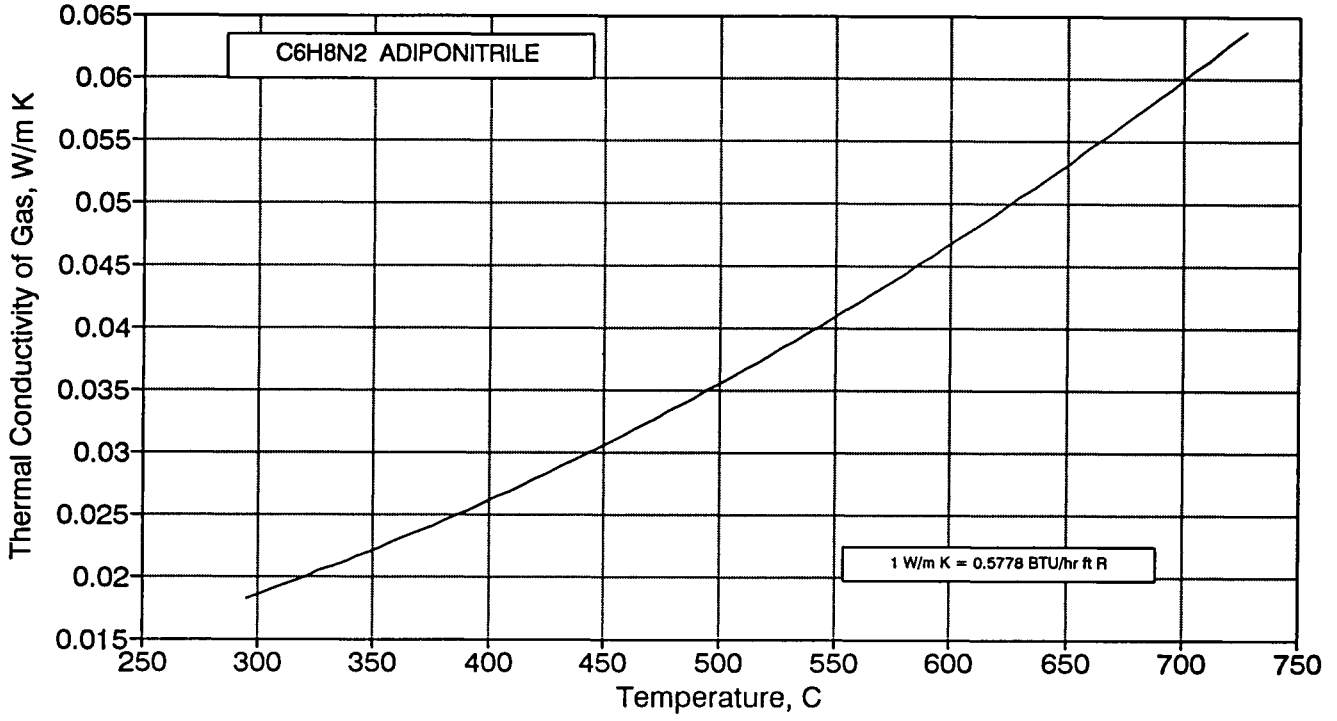

C6H7N 4-METHYLPYRIDINE
Thermal Conductivity of Liquid, W/m K
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

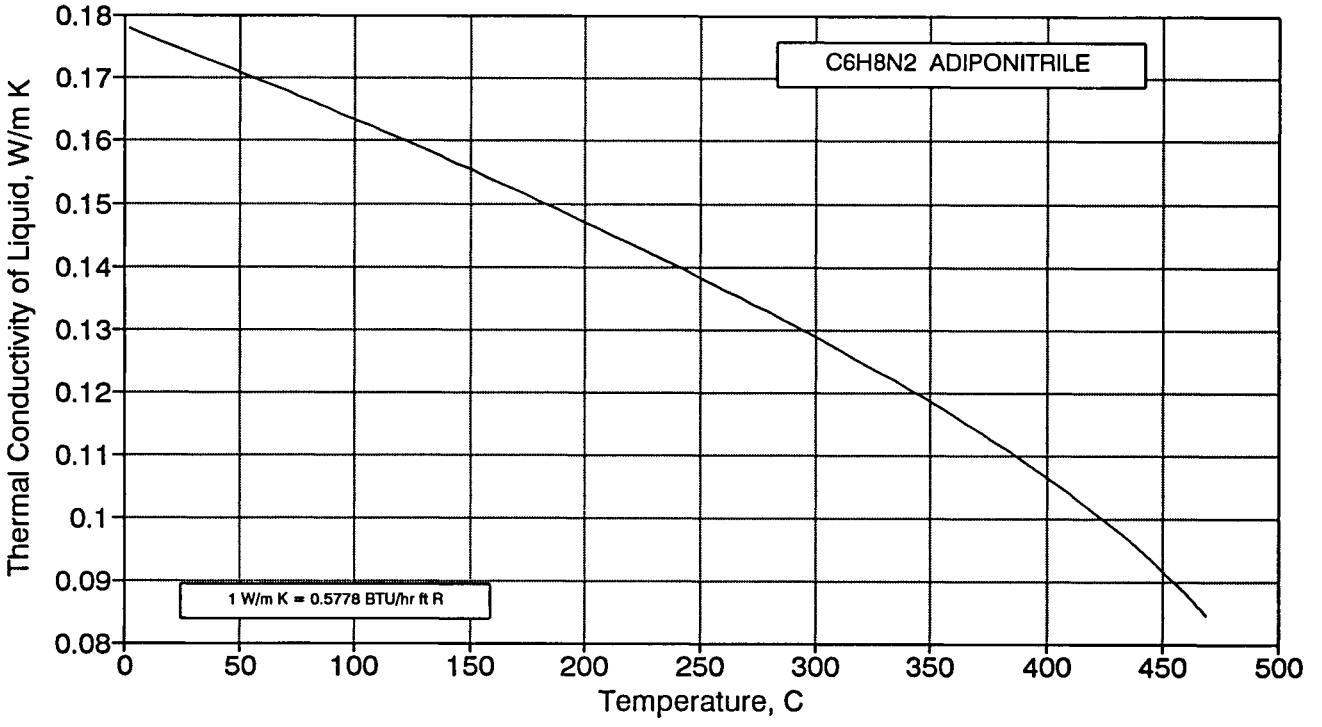

C6H8 1,3-CYCLOHEXADIENE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

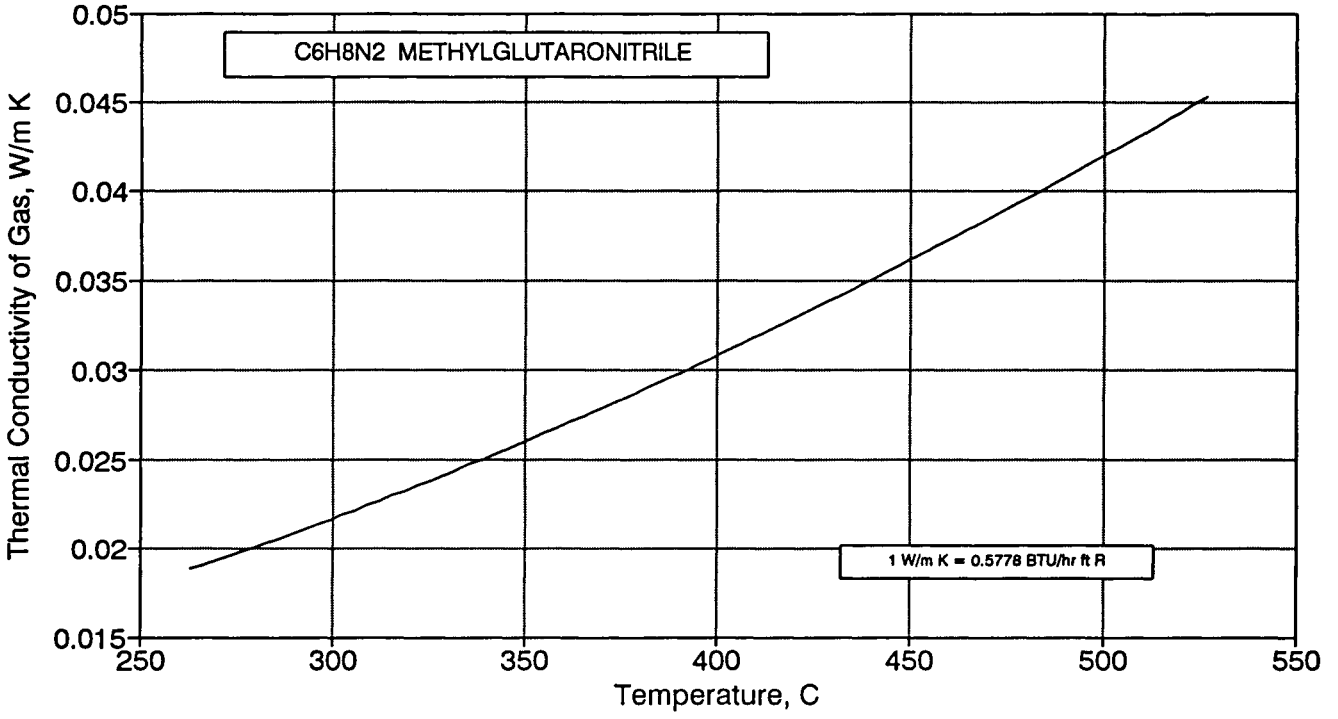

C6H8 1,3-CYCLOHEXADIENE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

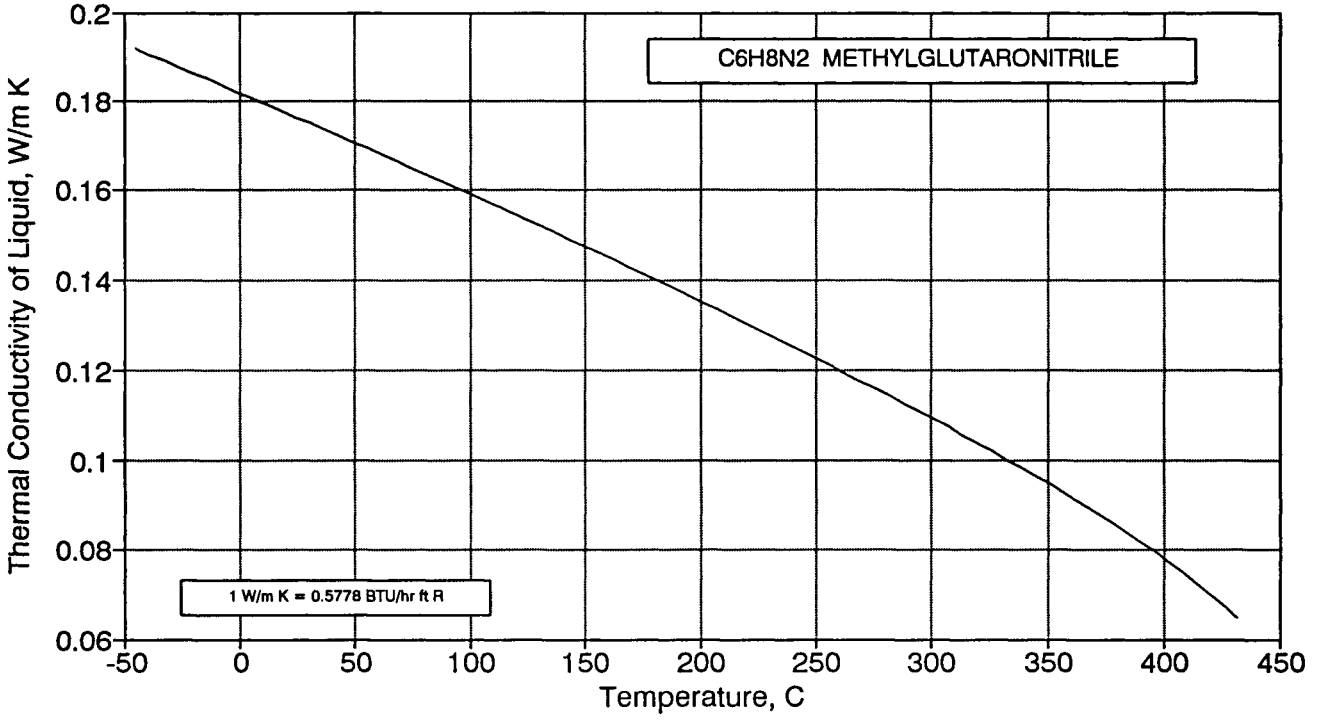

C6H8 METHYLCYCLOPENTADIENE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

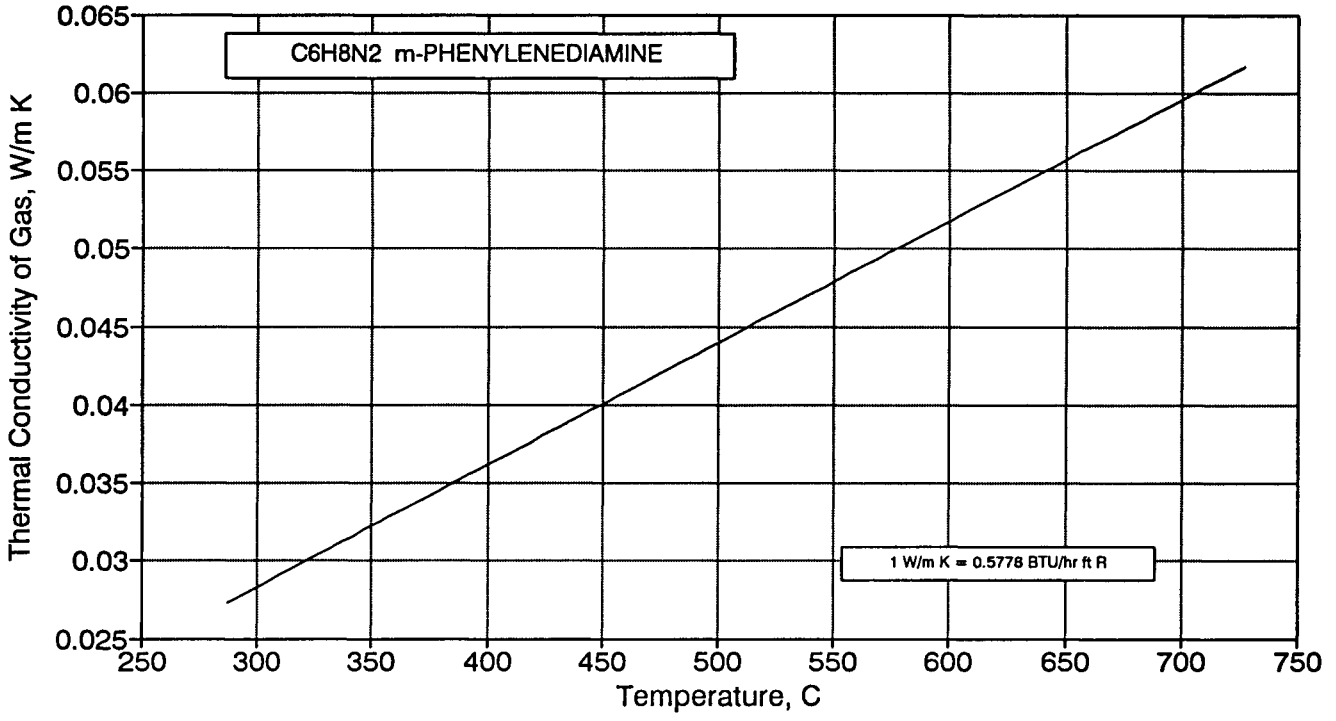

C6H8 METHYLCYCLOPENTADIENE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

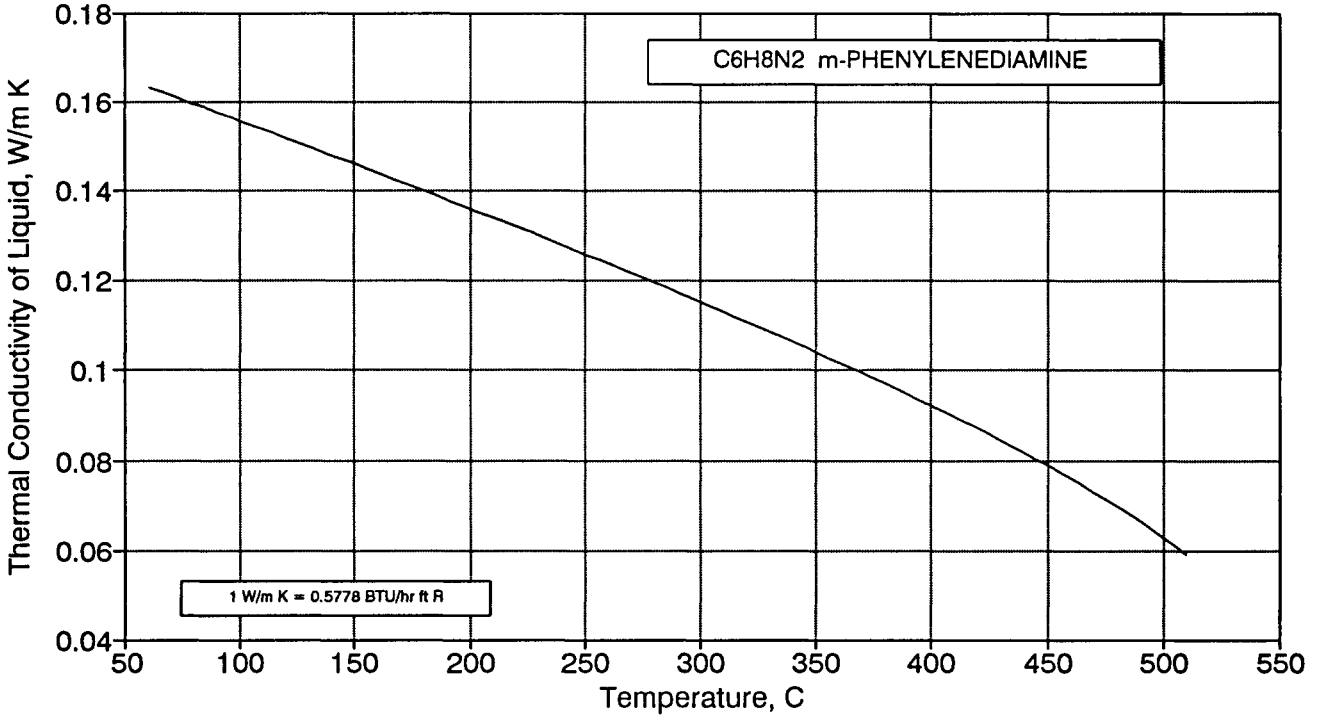

C6H8N2 ADIPONITRILE
Thermal Conductivity of Gas, W/m K
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
250
300
350
400
450
500
550
600
650
700
750
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

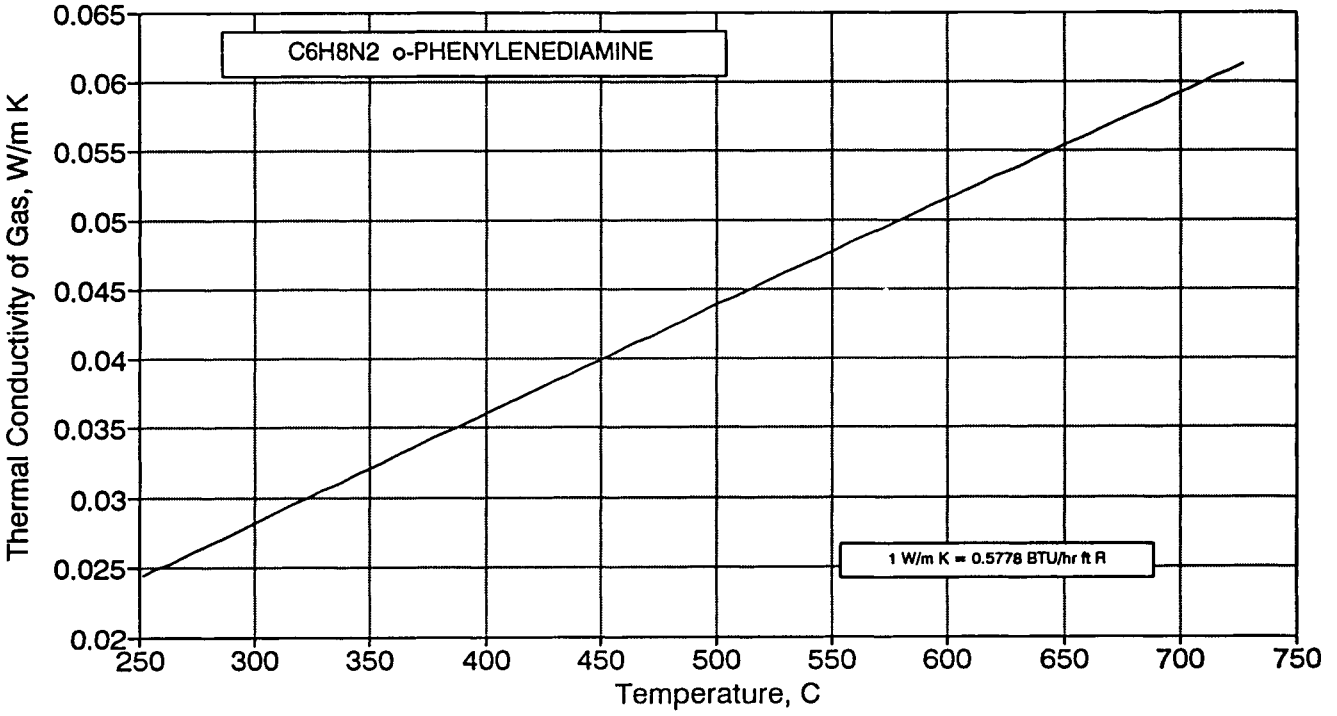

C6H8N2 ADIPONITRILE
Thermal Conductivity of Liquid, W/m K
0.18
0.17
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0
50
100
150
200
250
300
350
400
450
500
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

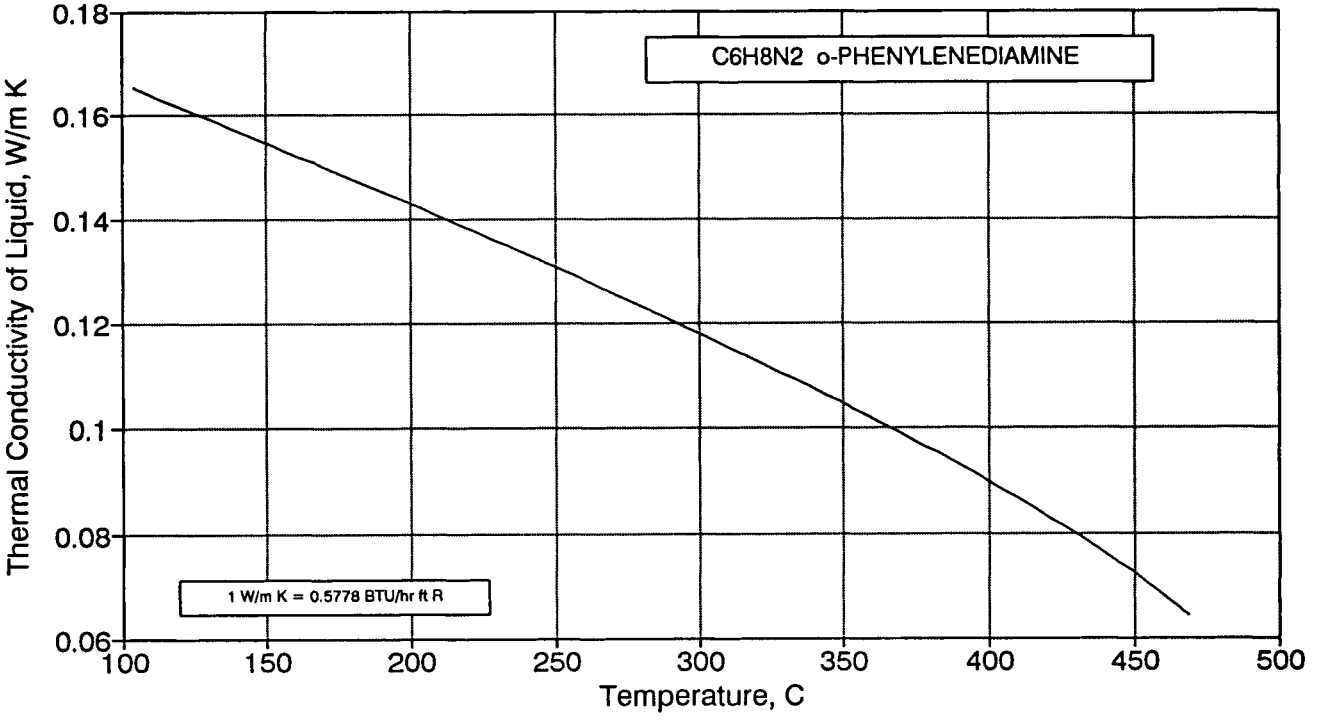

C6H8N2 METHYLGLUTARONITRILE
Thermal Conductivity of Gas, W/m K
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
250
300
350
400
450
500
550
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

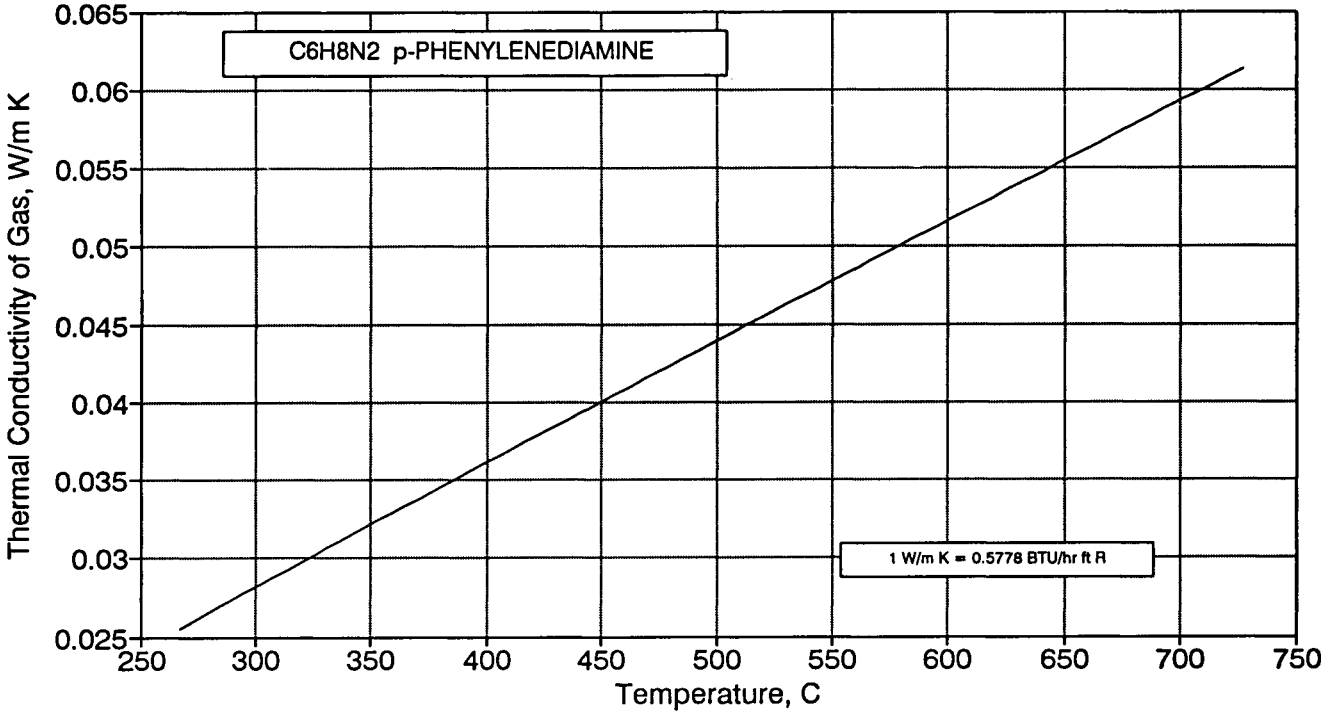

C6H8N2 METHYLGLUTARONITRILE
Thermal Conductivity of Liquid, W/m K
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-50
0
50
100
150
200
250
300
350
400
450
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

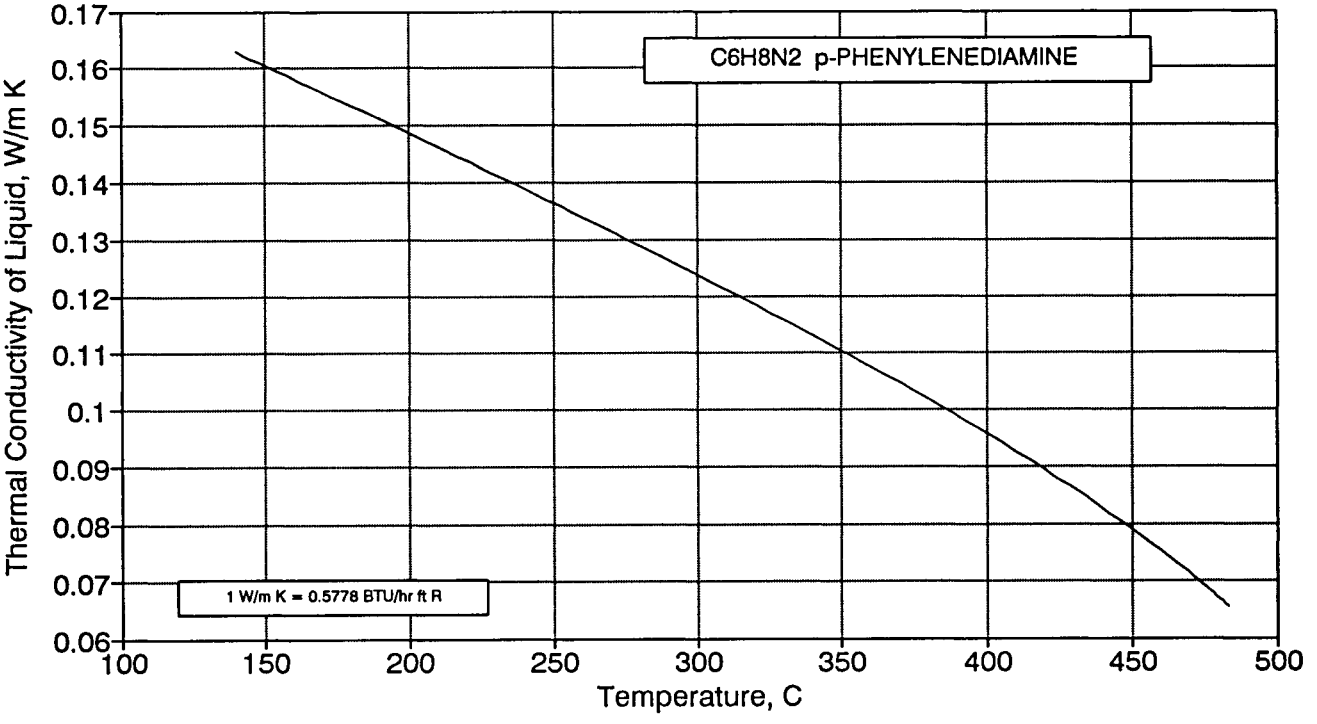

C6H8N2 m-PHENYLENEDIAMINE
Thermal Conductivity of Gas, W/m K
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
250
300
350
400
450
500
550
600
650
700
750
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H8N2 m-PHENYLENEDIAMINE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
50
100
150
200
250
300
350
400
450
500
550
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H8N2 o-PHENYLENEDIAMINE
Thermal Conductivity of Gas, W/m K
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
250
300
350
400
450
500
550
600
650
700
750
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H8N2 o-PHENYLENEDIAMINE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
100
150
200
250
300
350
400
450
500
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H8N2 p-PHENYLENEDIAMINE
Thermal Conductivity of Gas, W/m K
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
250
300
350
400
450
500
550
600
650
700
750
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

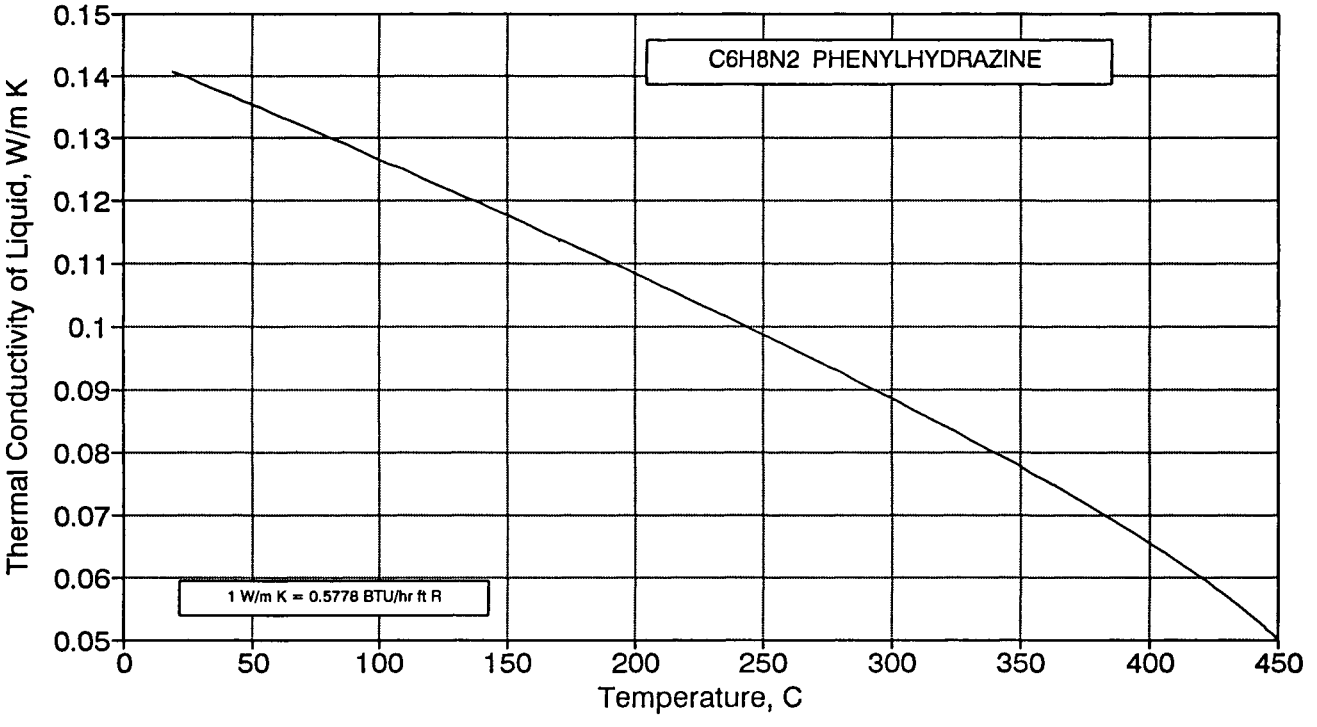

C6H8N2 p-PHENYLENEDIAMINE
Thermal Conductivity of Liquid, W/m K
0.17
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
100
150
200
250
300
350
400
450
500
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

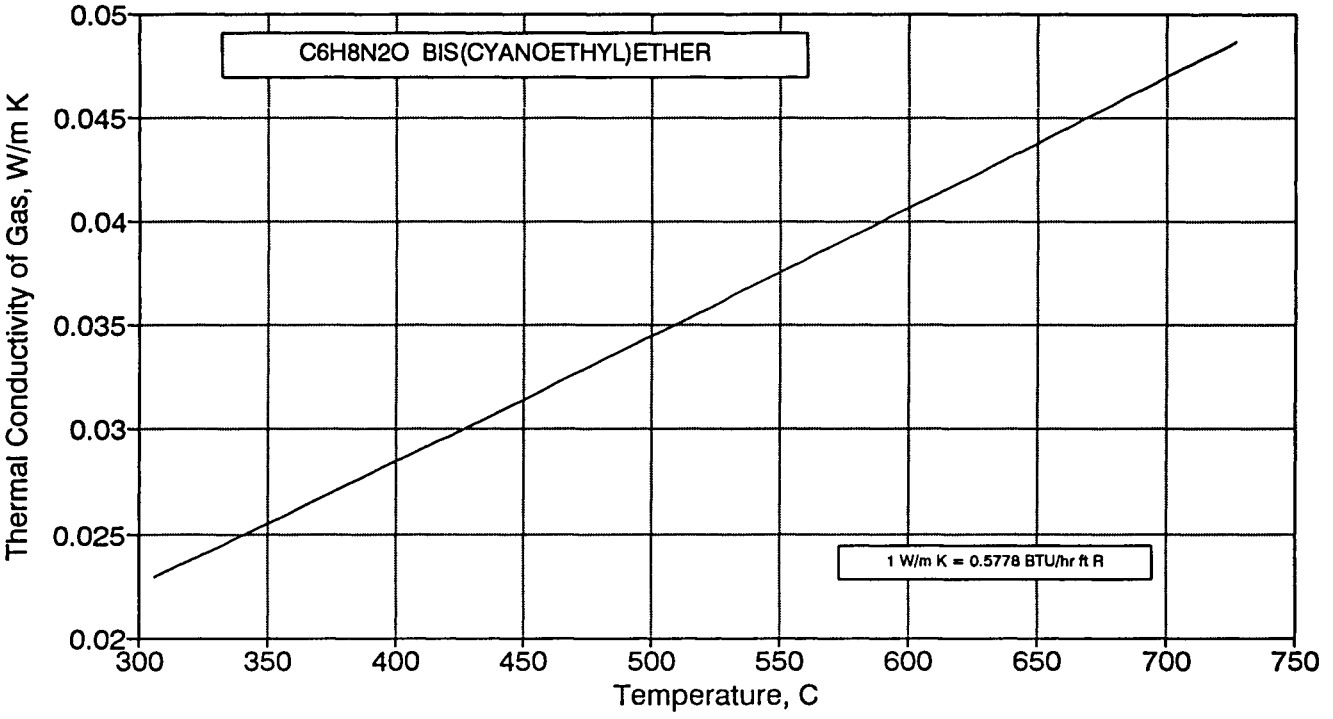
C6H8N2 PHENYLHYDRAZINE

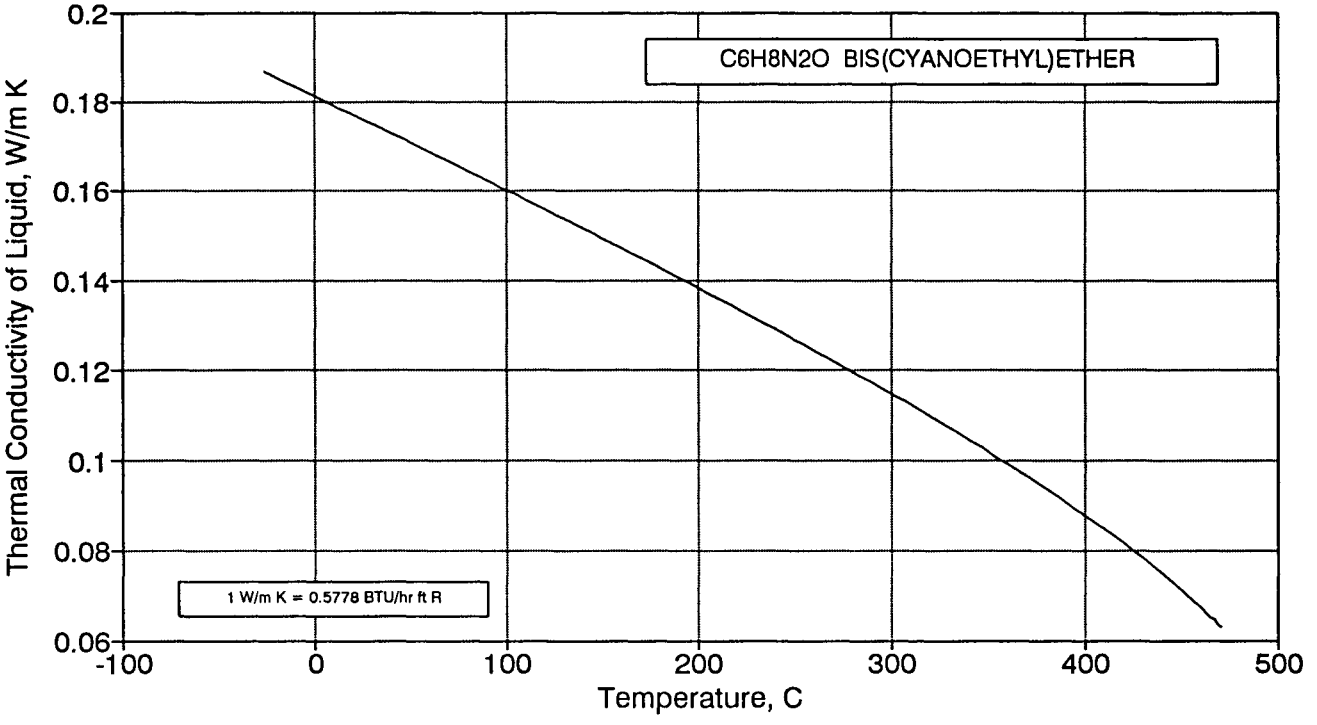
Gas thermal conductivity data are not available .

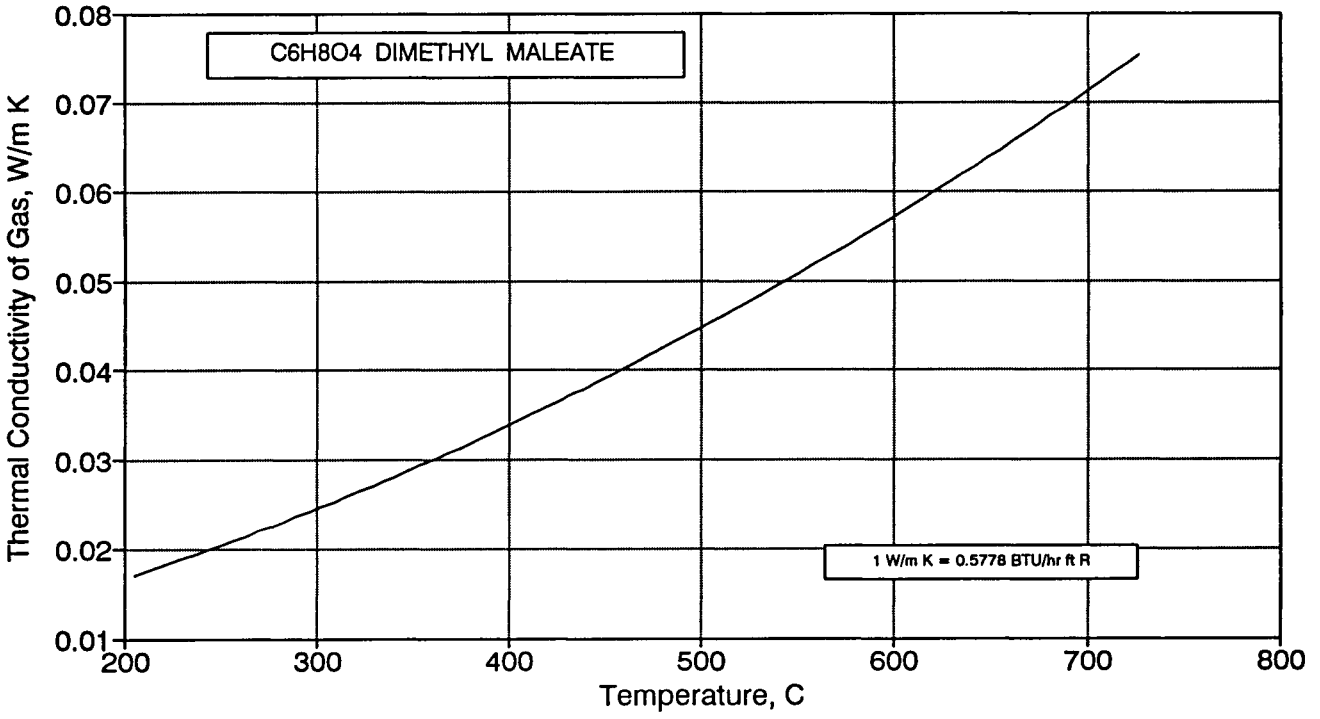
TF , K = 292.35

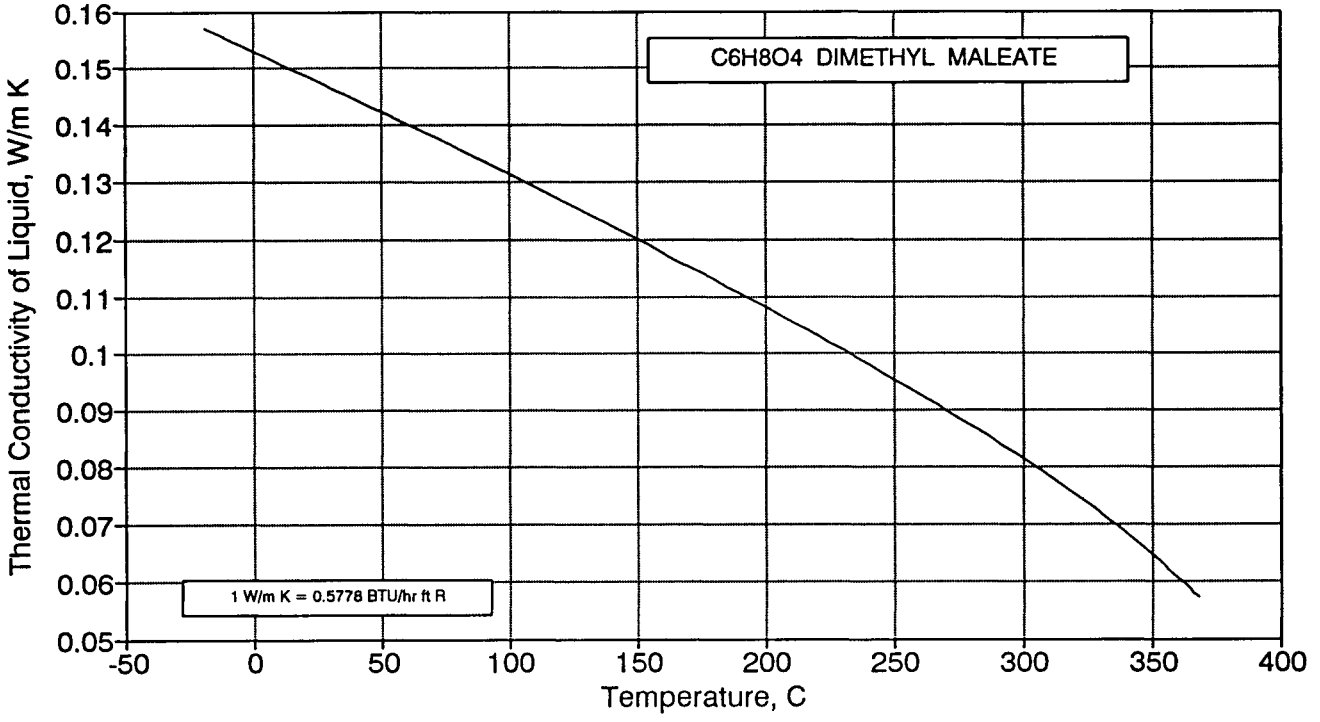
TB , K = 516.65

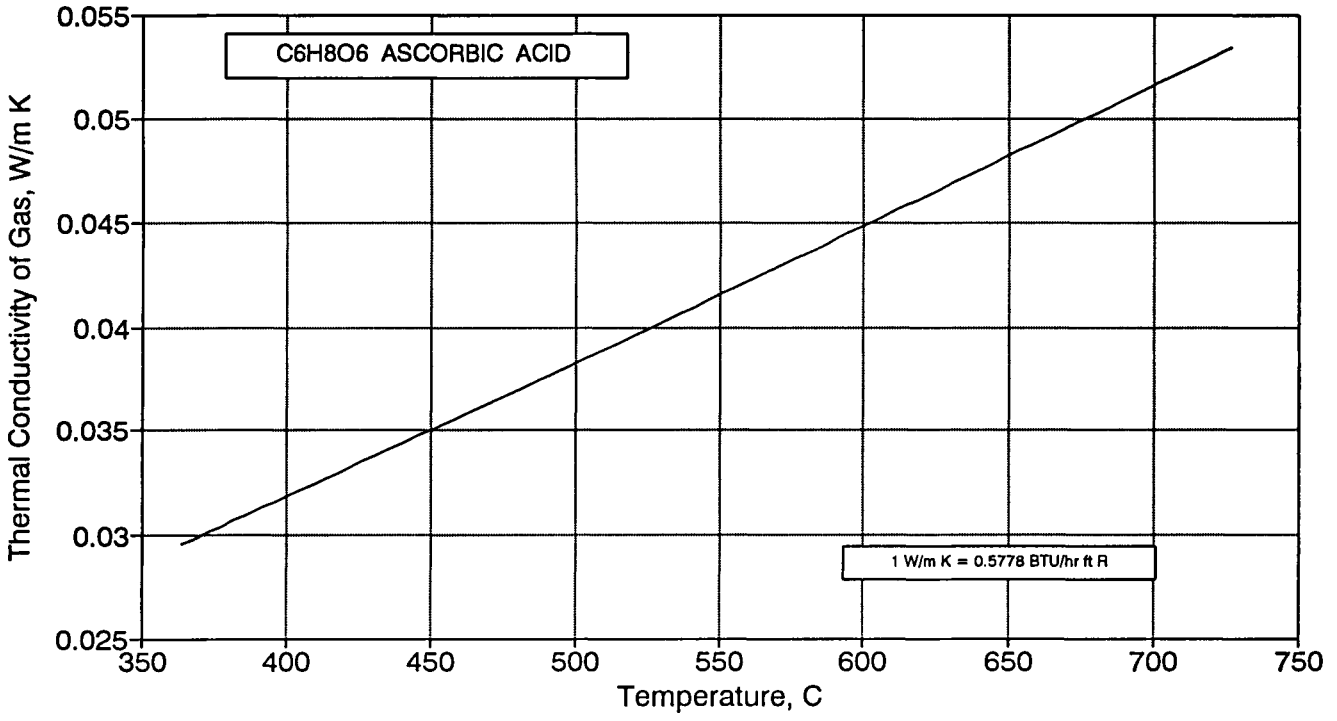


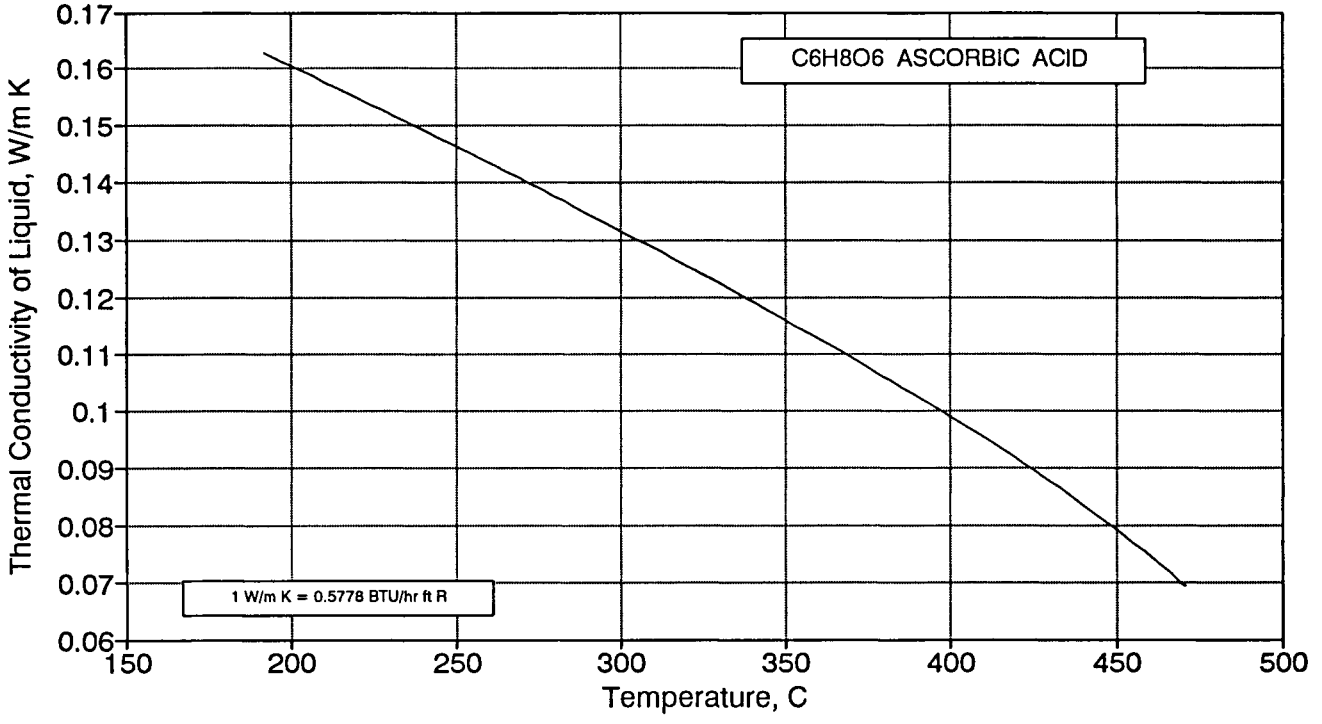

C6H8N2O BIS(CYANOETHYL)ETHER
Thermal Conductivity of Gas, W/m K
0.05
0.045
0.04
0.035
0.03
0.025
0.02
300
350
400
450
500
550
600
650
700
750
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

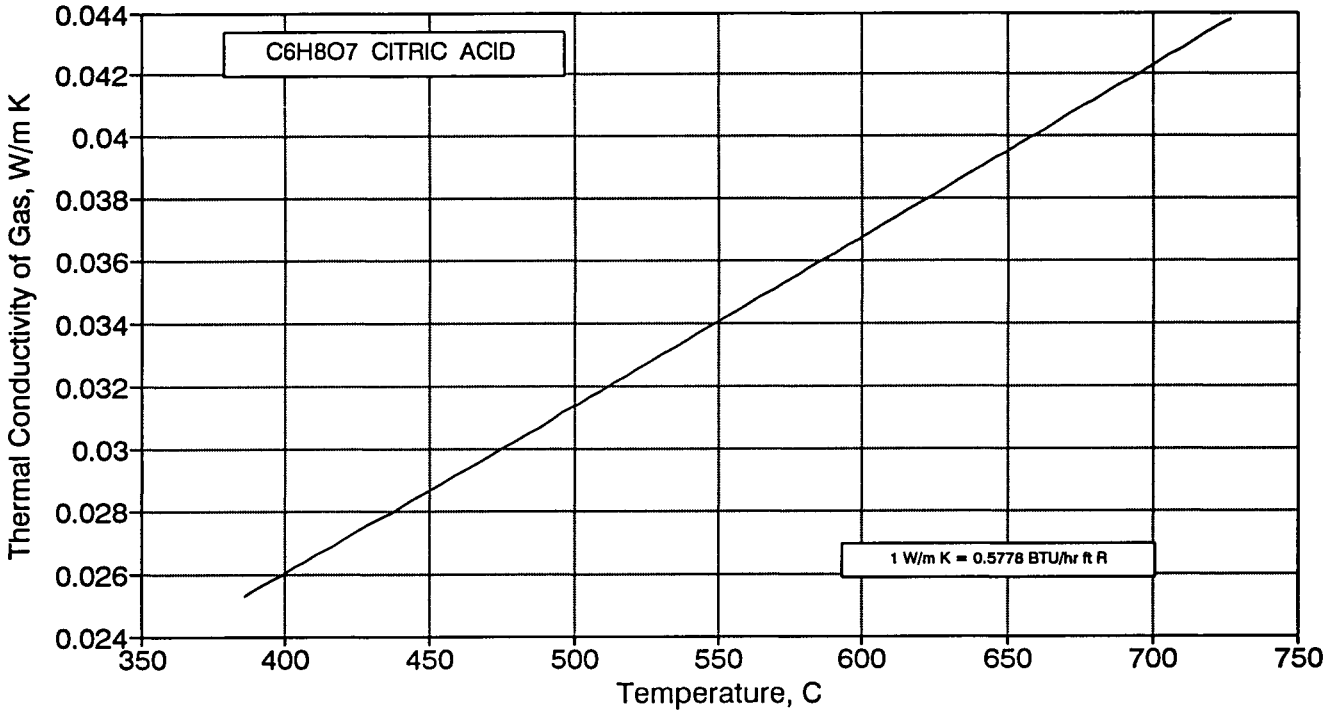

C6H8N2O BIS(CYANOETHYL)ETHER
Thermal Conductivity of Liquid, W/m K
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-100
0
100
200
300
400
500
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

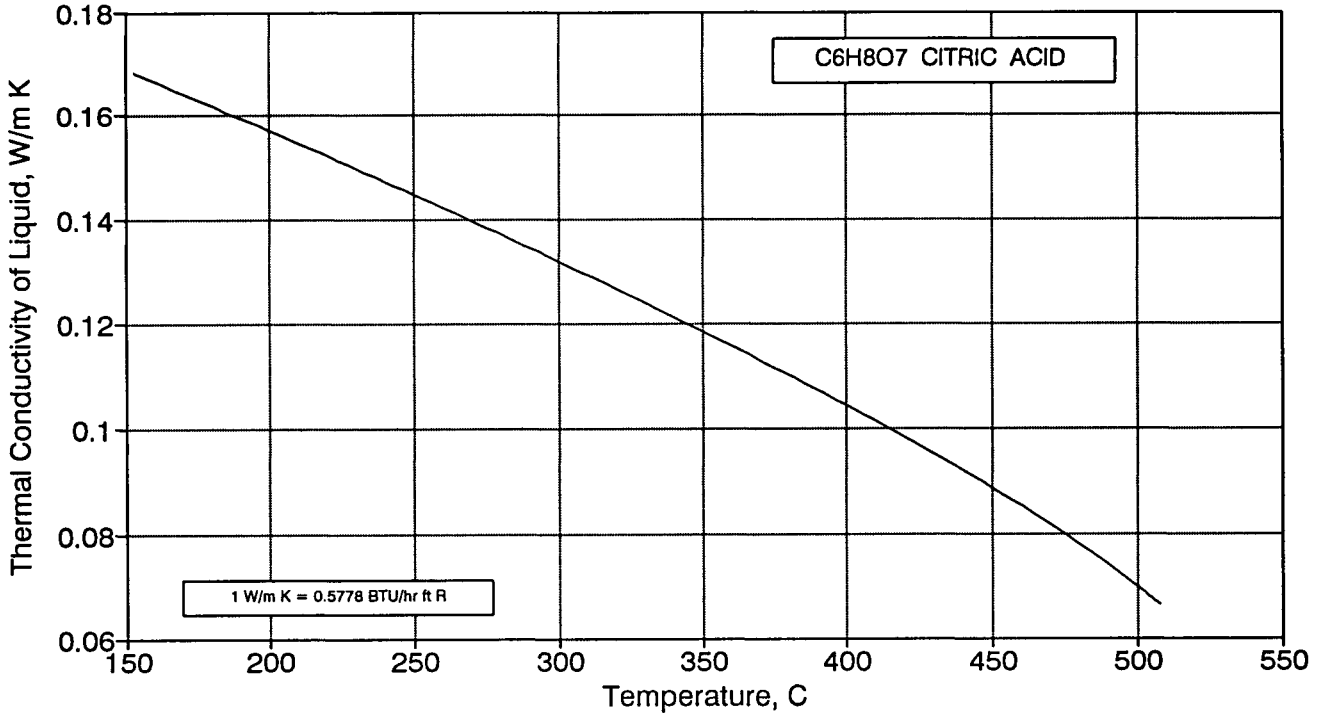

C6H8O4 DIMETHYL MALEATE
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

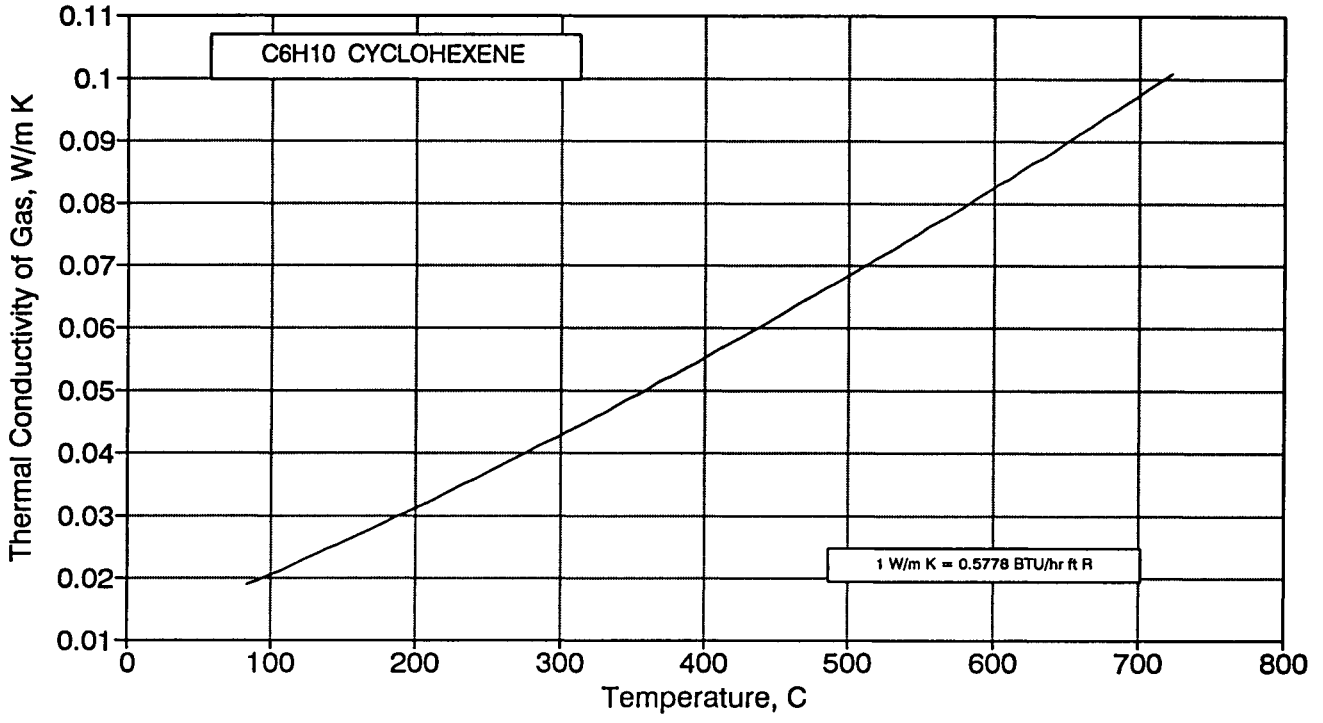

C6H8O4 DIMETHYL MALEATE
Thermal Conductivity of Liquid, W/m K
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
-50
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

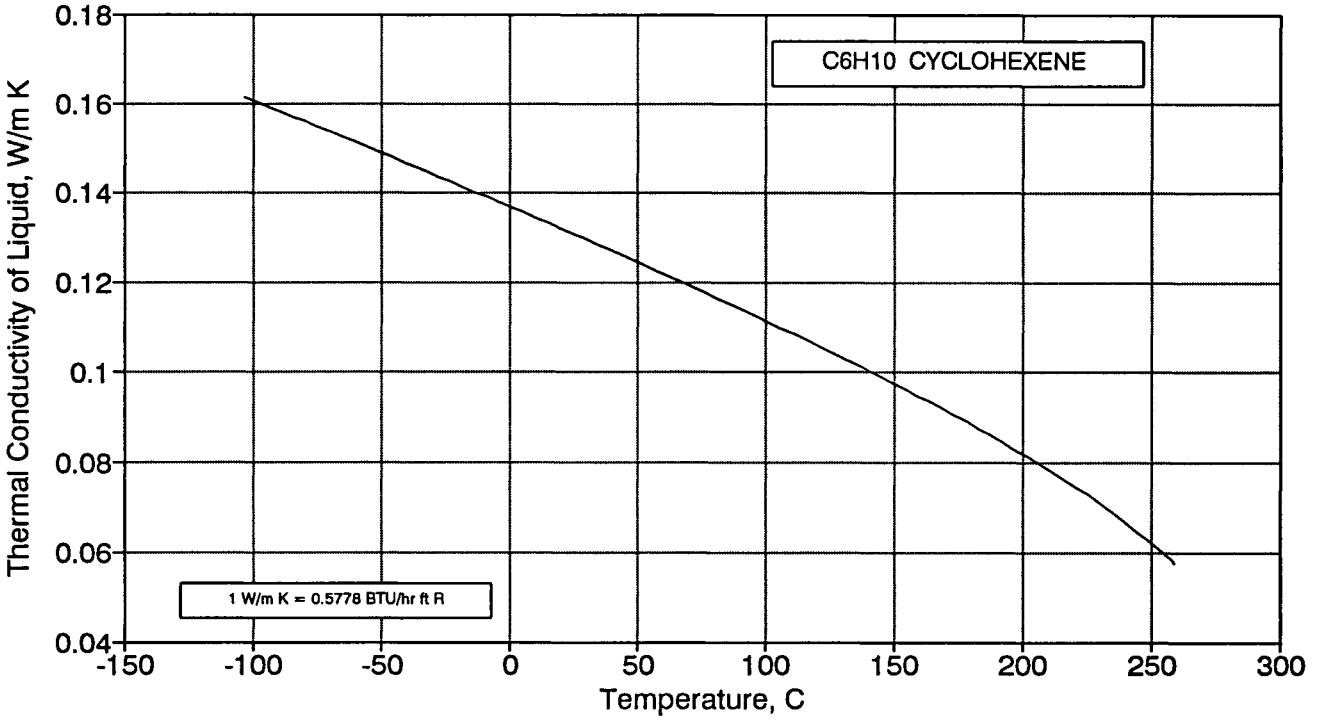

C6H8O6 ASCORBIC ACID
Thermal Conductivity of Gas, W/m K
0.055
0.05
0.045
0.04
0.035
0.03
0.025
350
400
450
500
550
600
650
700
750
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

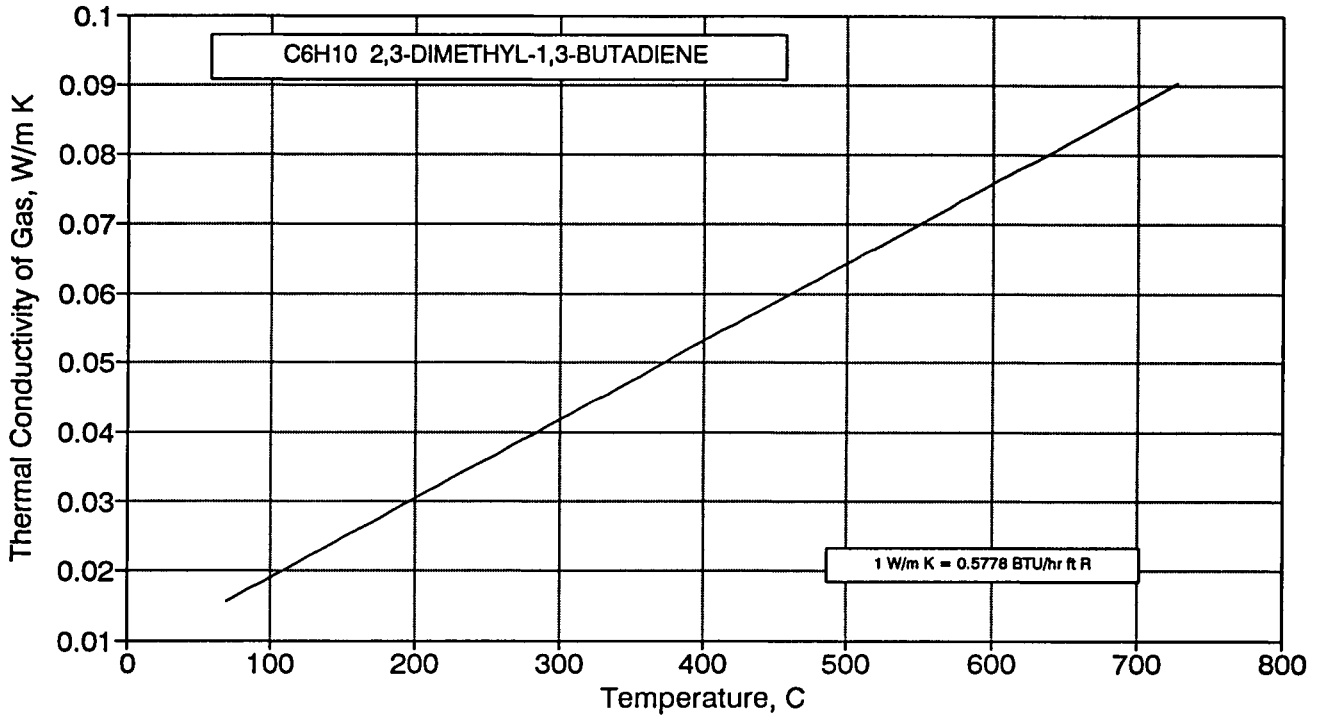

C6H8O6 ASCORBIC ACID
Thermal Conductivity of Liquid, W/m K
0.17
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
150
200
250
300
350
400
450
500
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

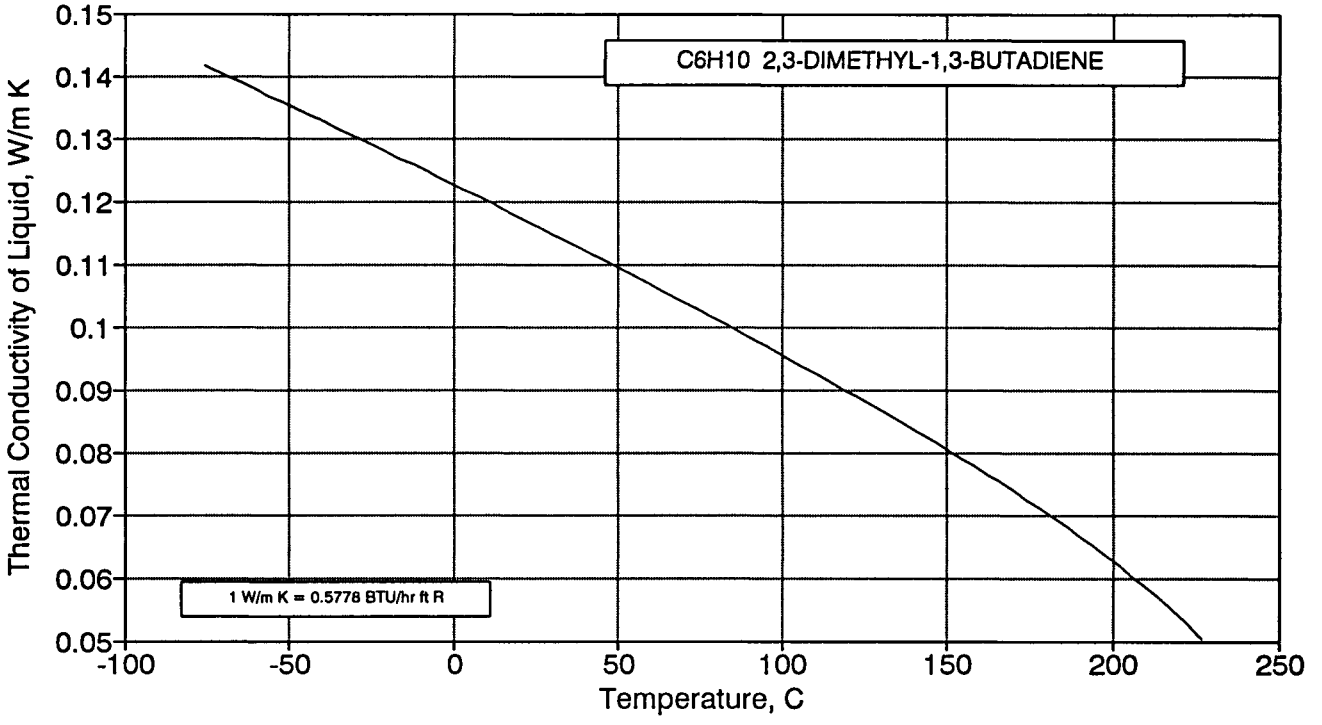

C6H8O7 CITRIC ACID
Thermal Conductivity of Gas, W/m K
0.044
0.042
0.04
0.038
0.036
0.034
0.032
0.03
0.028
0.026
0.024
350
400
450
500
550
600
650
700
750
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

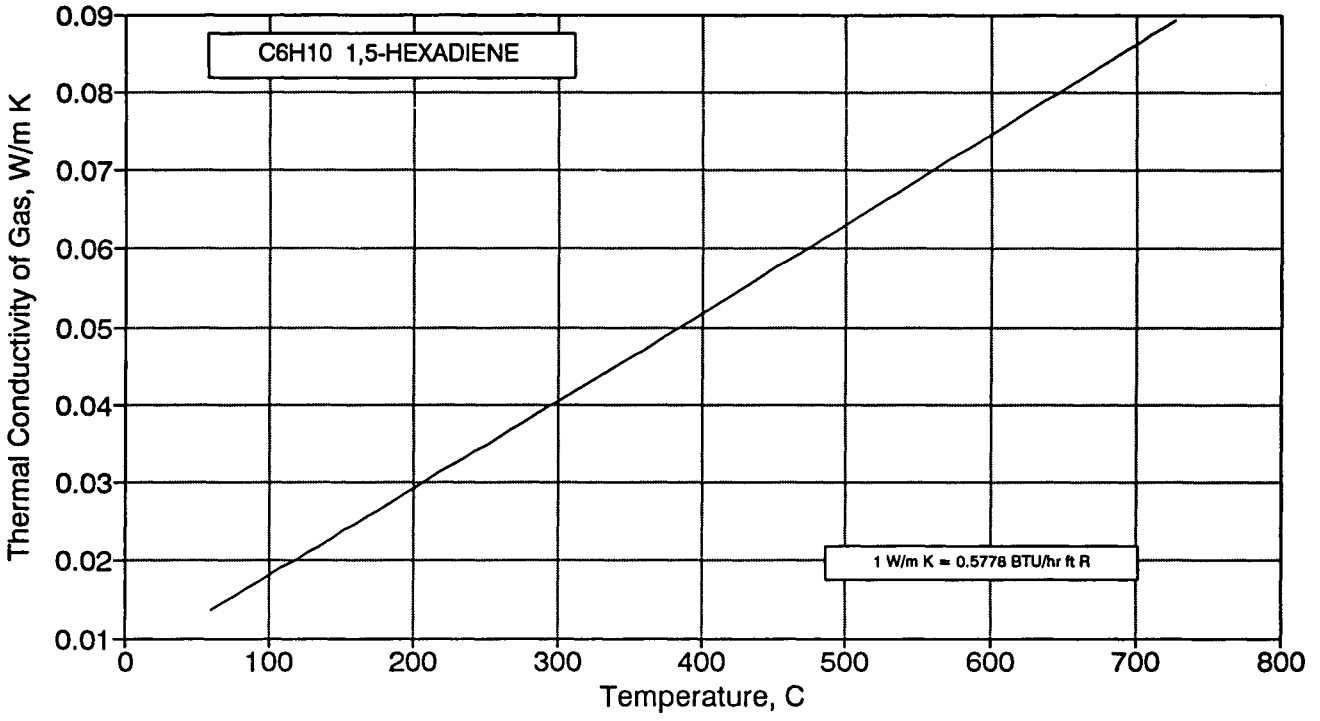

C6H8O7 CITRIC ACID
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
150
200
250
300
350
400
450
500
550
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

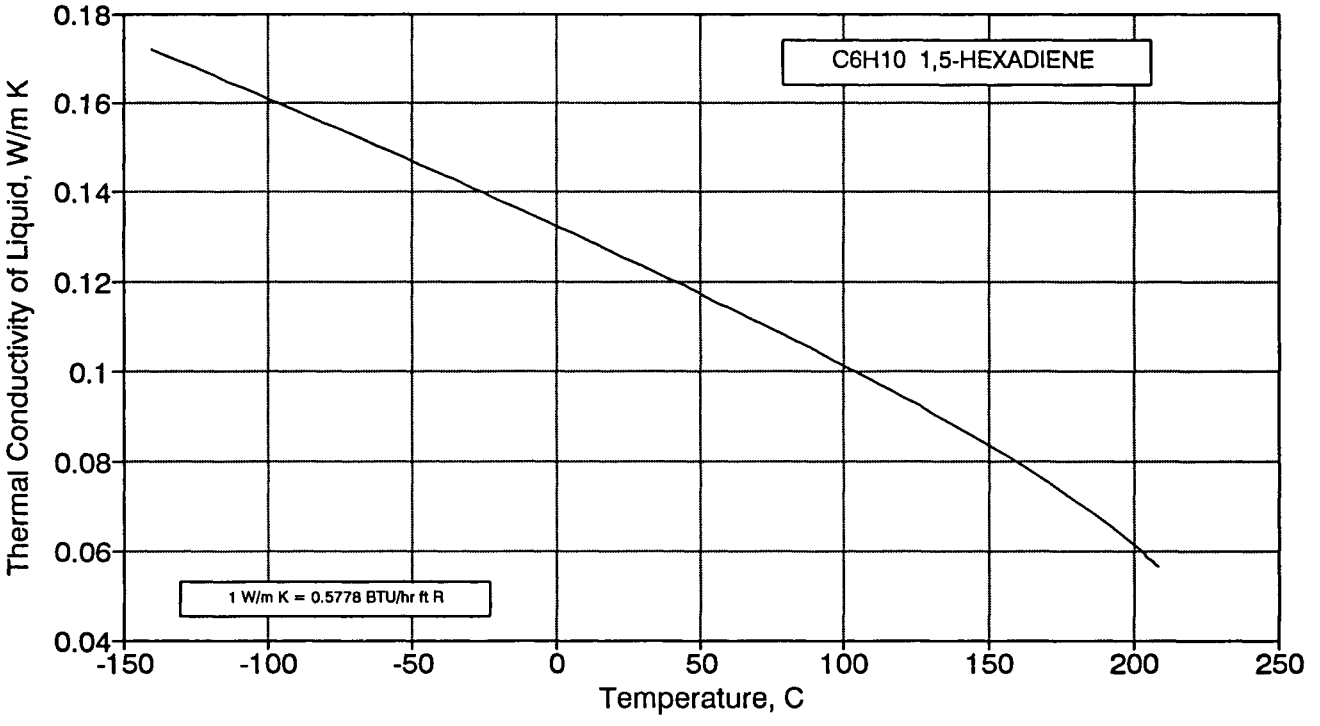

C6H10 CYCLOHEXENE
Thermal Conductivity of Gas, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

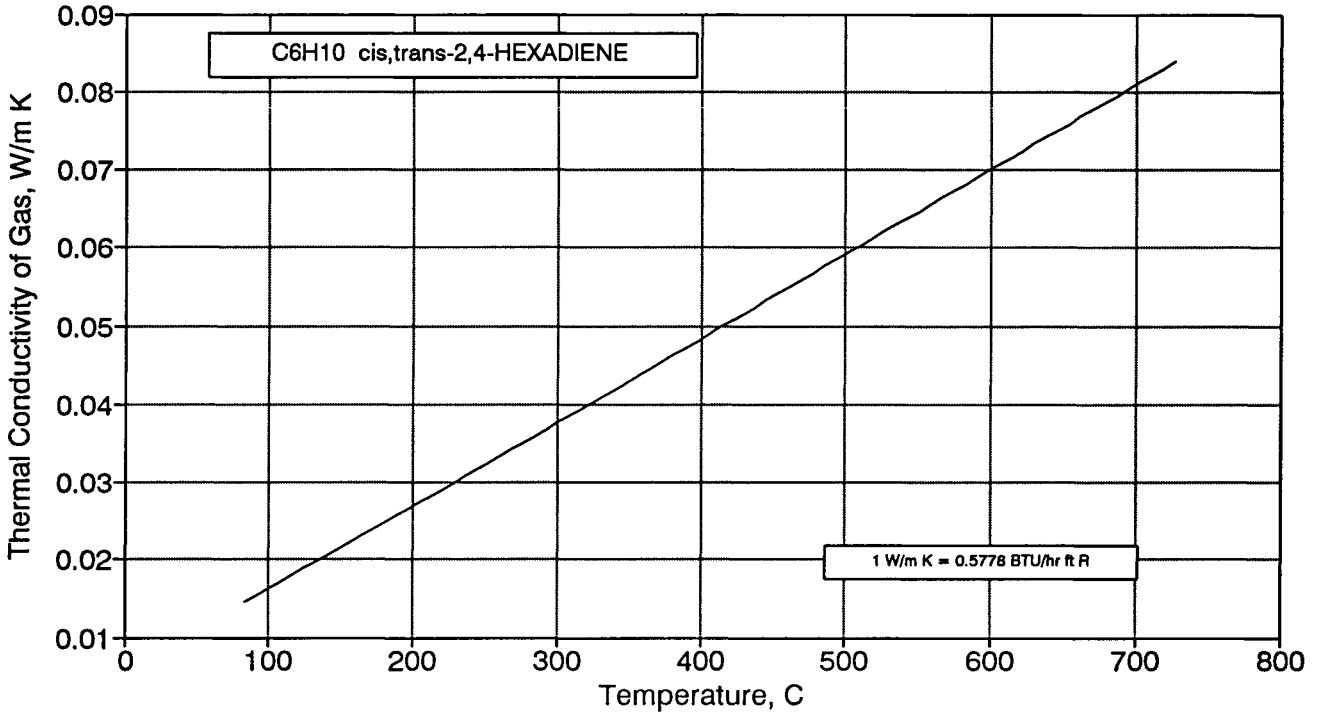

C6H10 CYCLOHEXENE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

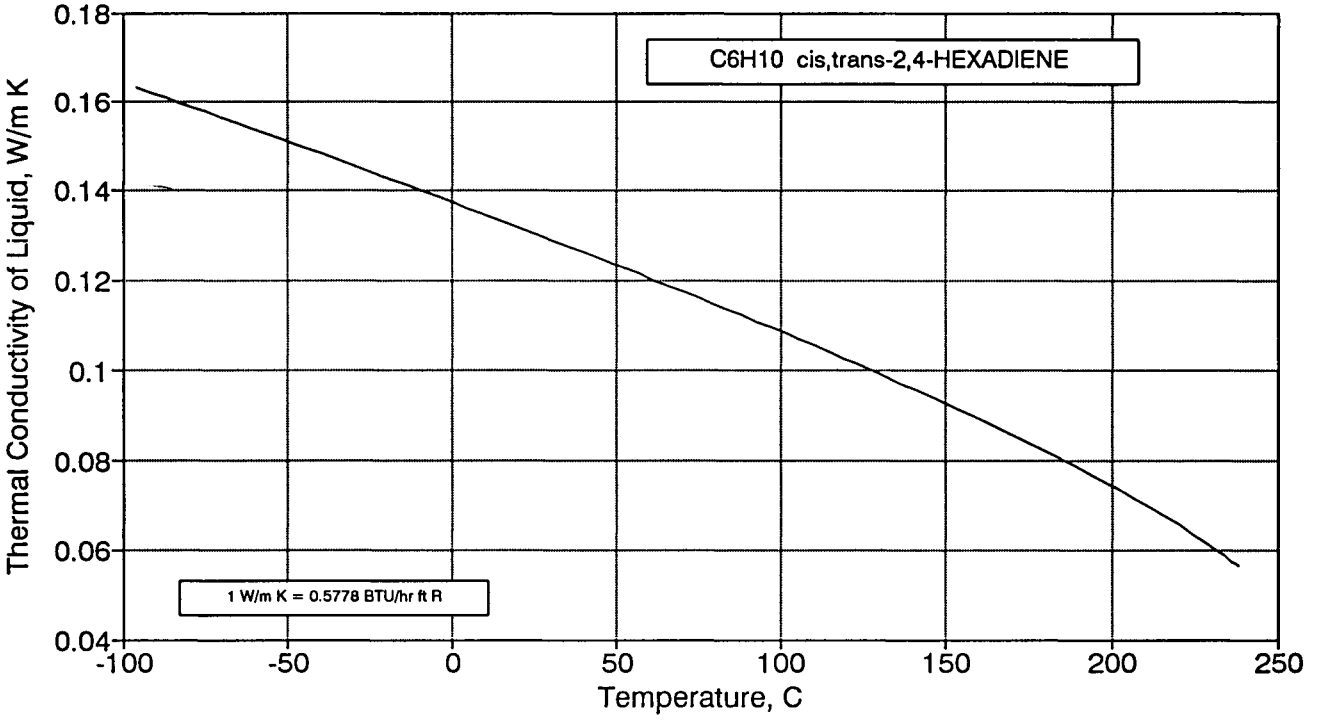

C6H10 2,3-DIMETHYL-1,3-BUTADIENE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

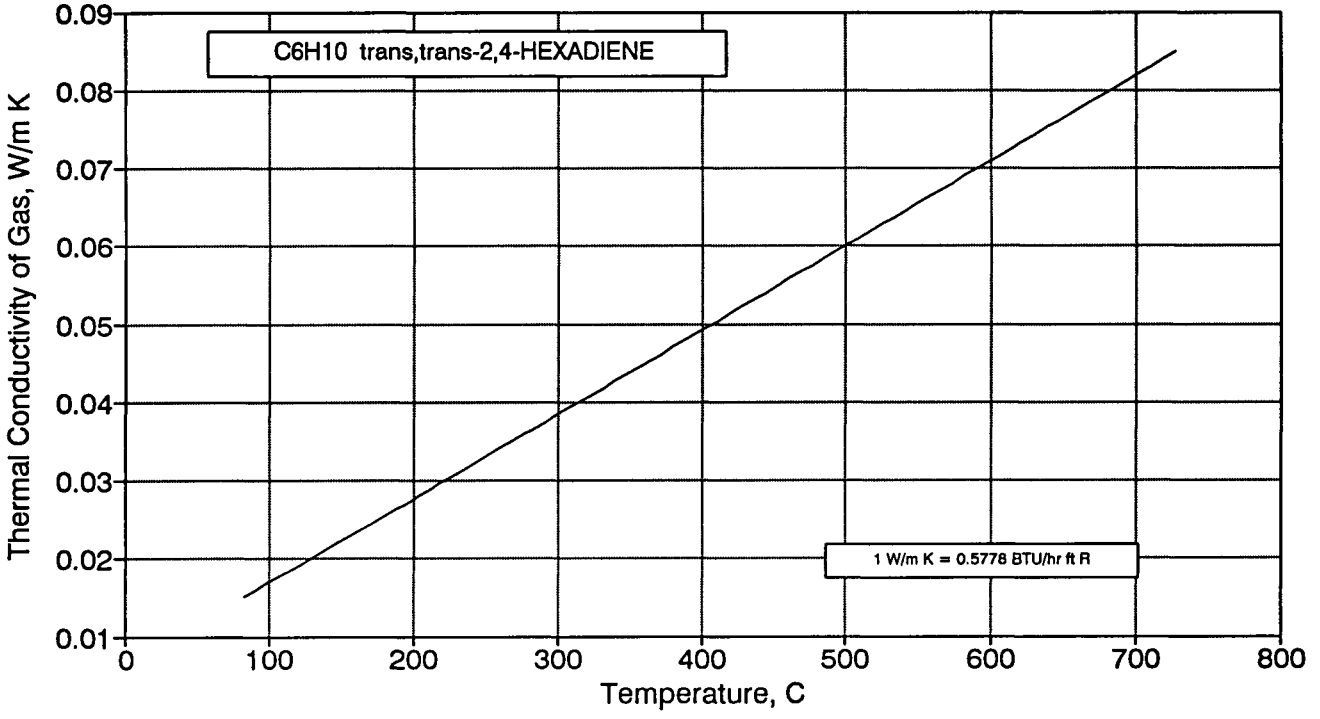

C6H10 2,3-DIMETHYL-1,3-BUTADIENE
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

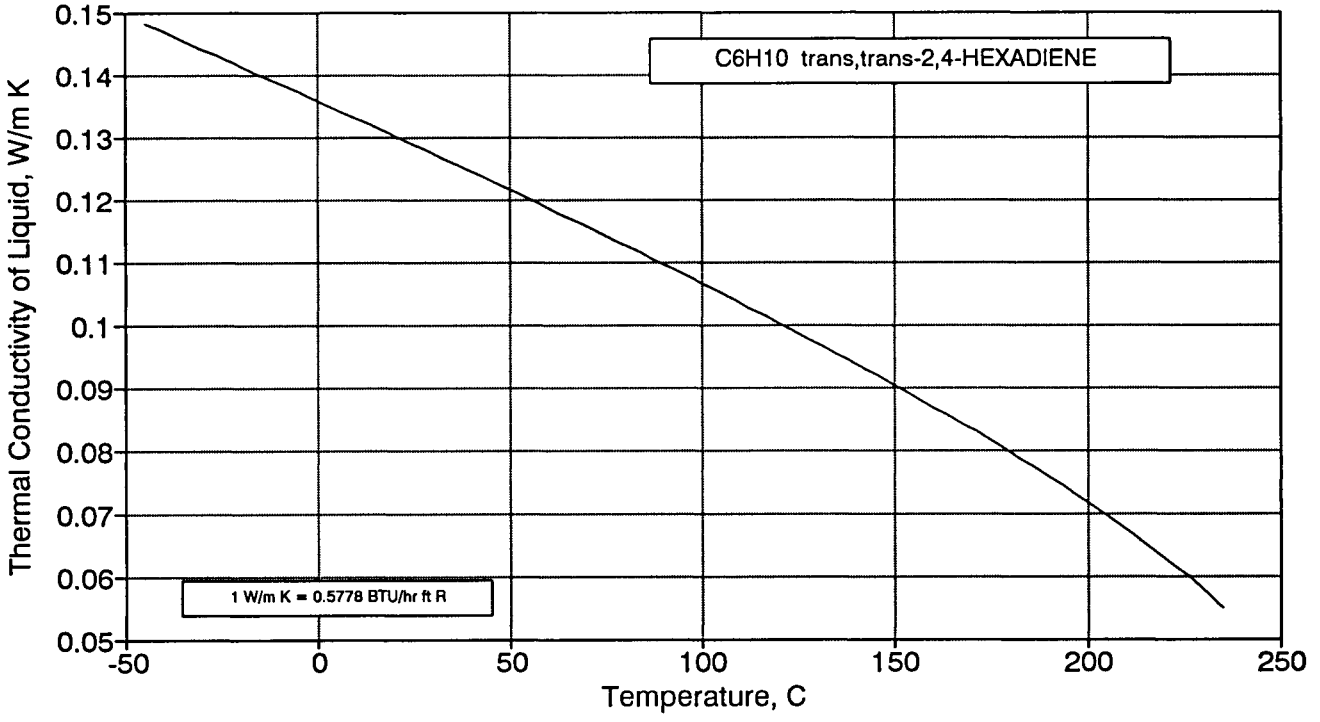

C6H10 1,5-HEXADIENE
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

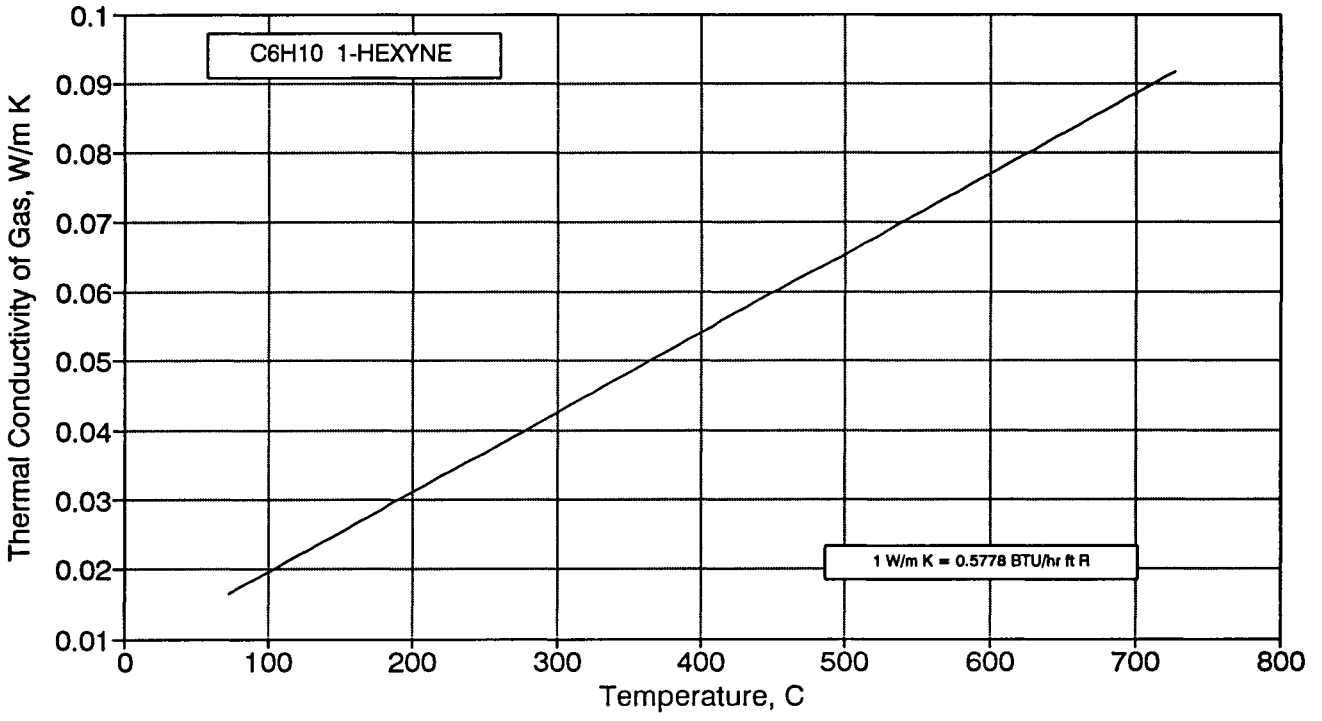

C6H10 1,5-HEXADIENE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

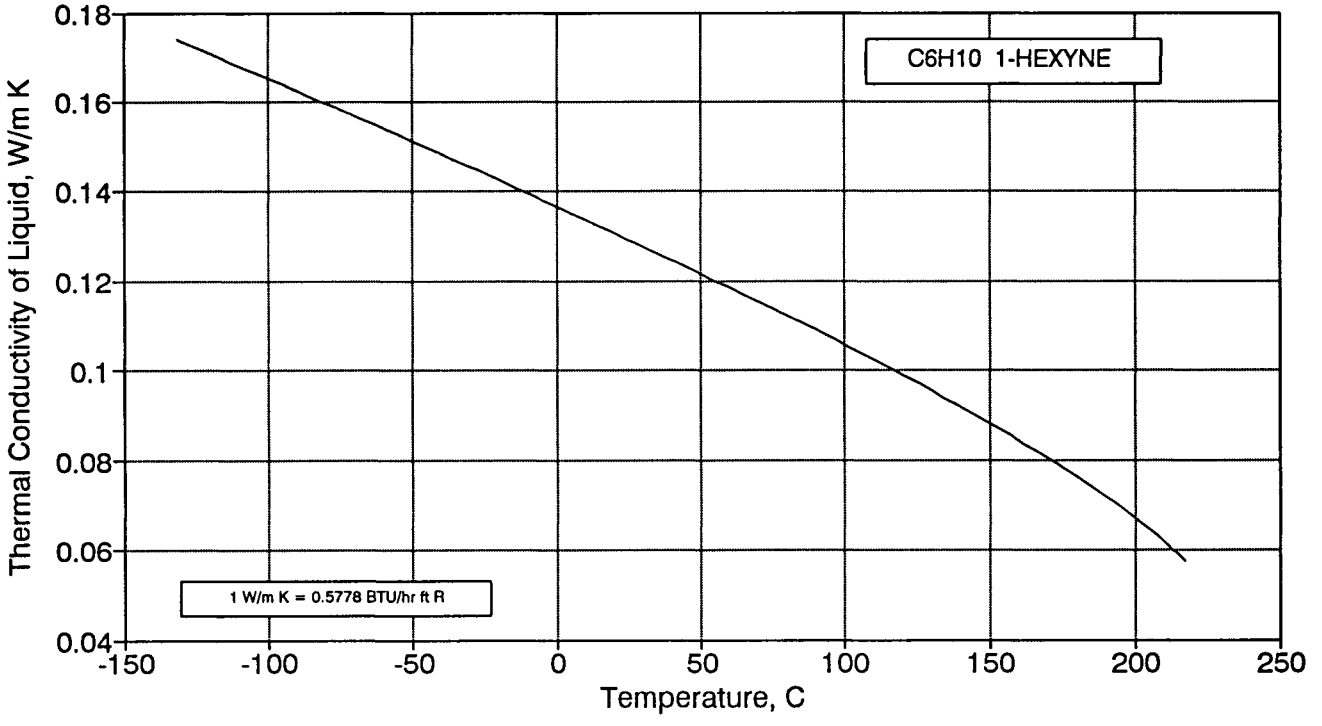

C6H10 cis,trans-2,4-HEXADIENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800

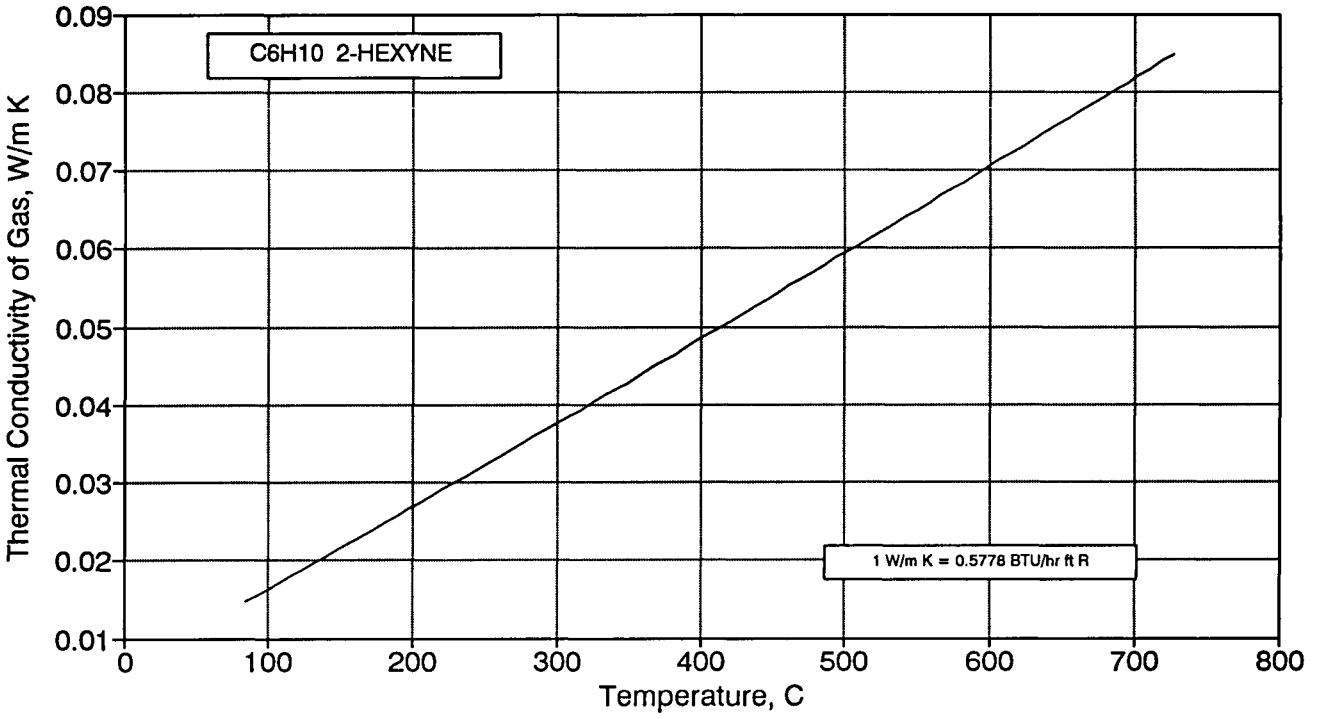

C6H10 cis,trans-2,4-HEXADIENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250

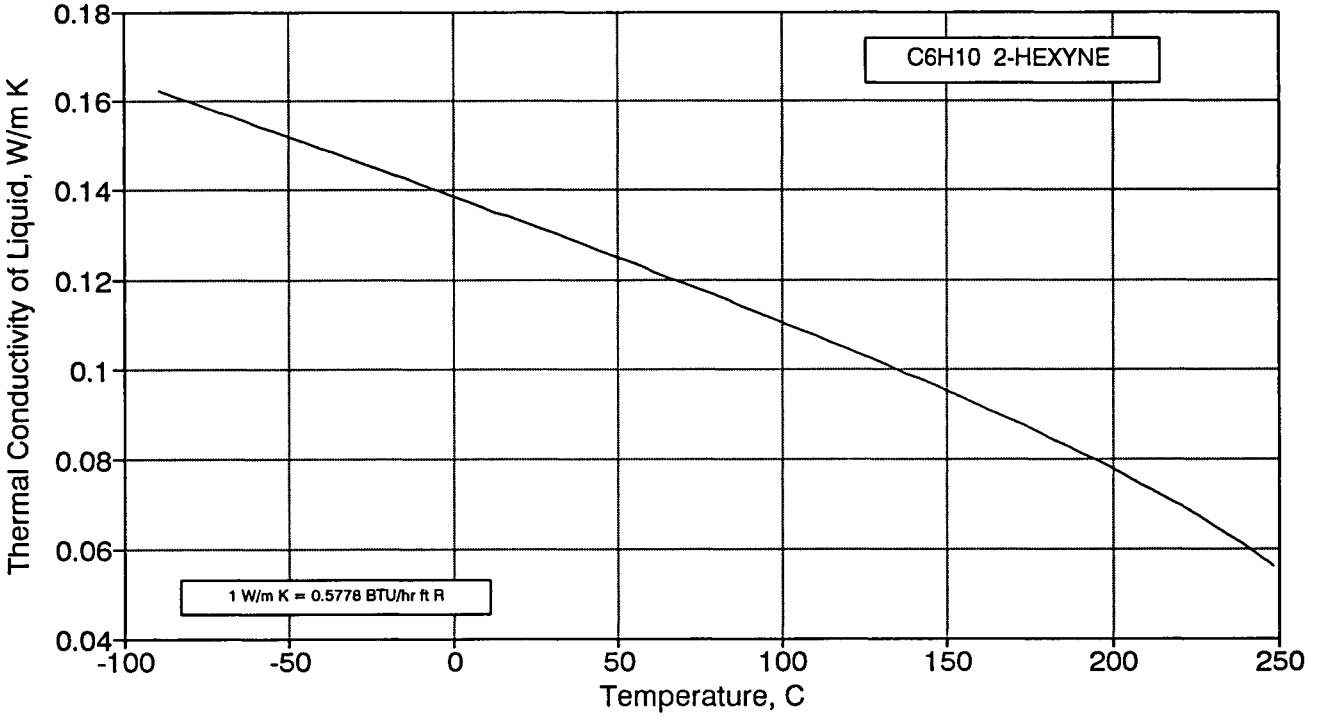

C6H10 trans,trans-2,4-HEXADIENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800

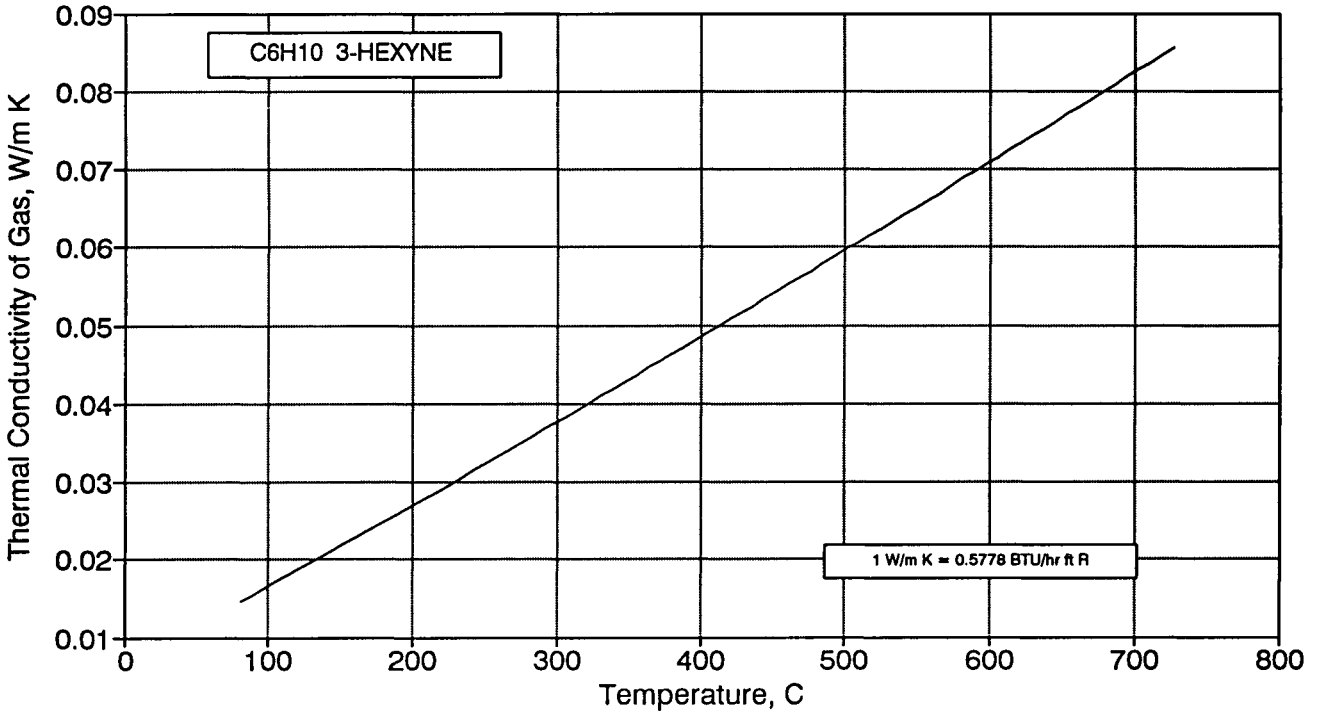

C6H10 trans,trans-2,4-HEXADIENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
-50
0
50
100
150
200
250

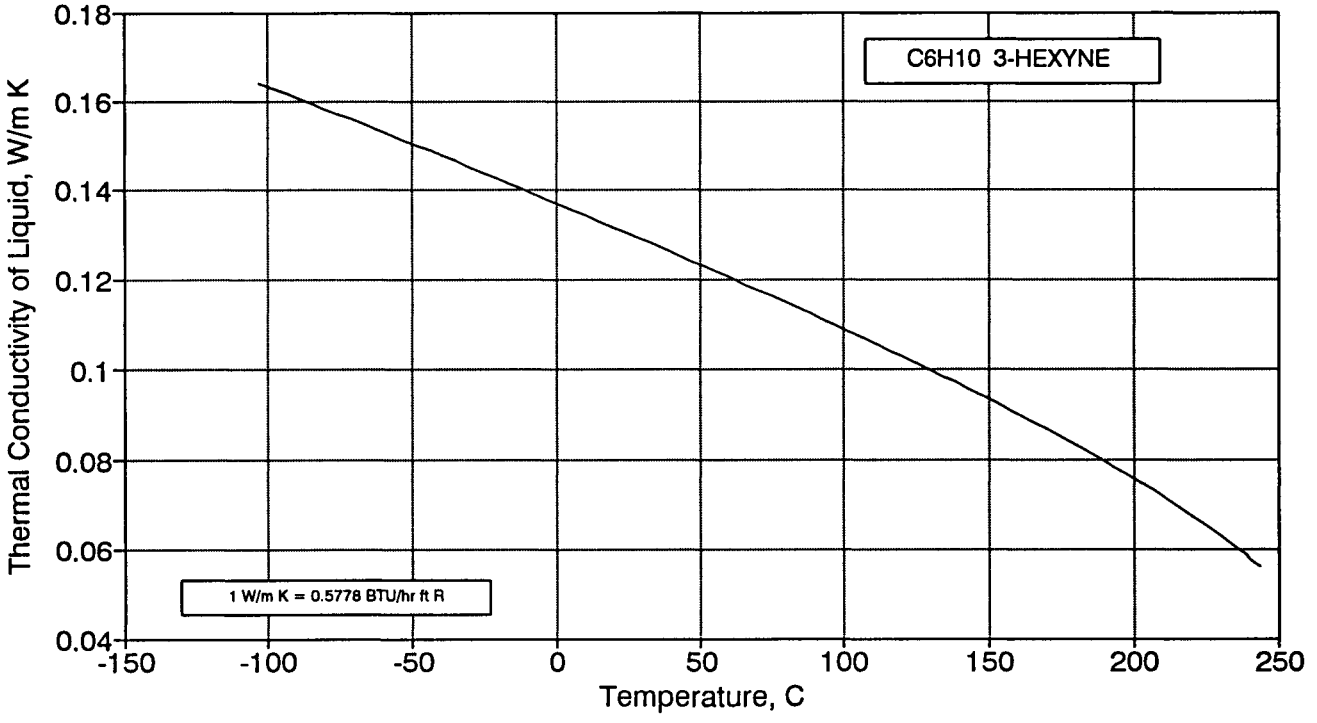

C6H10 1-HEXYNE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

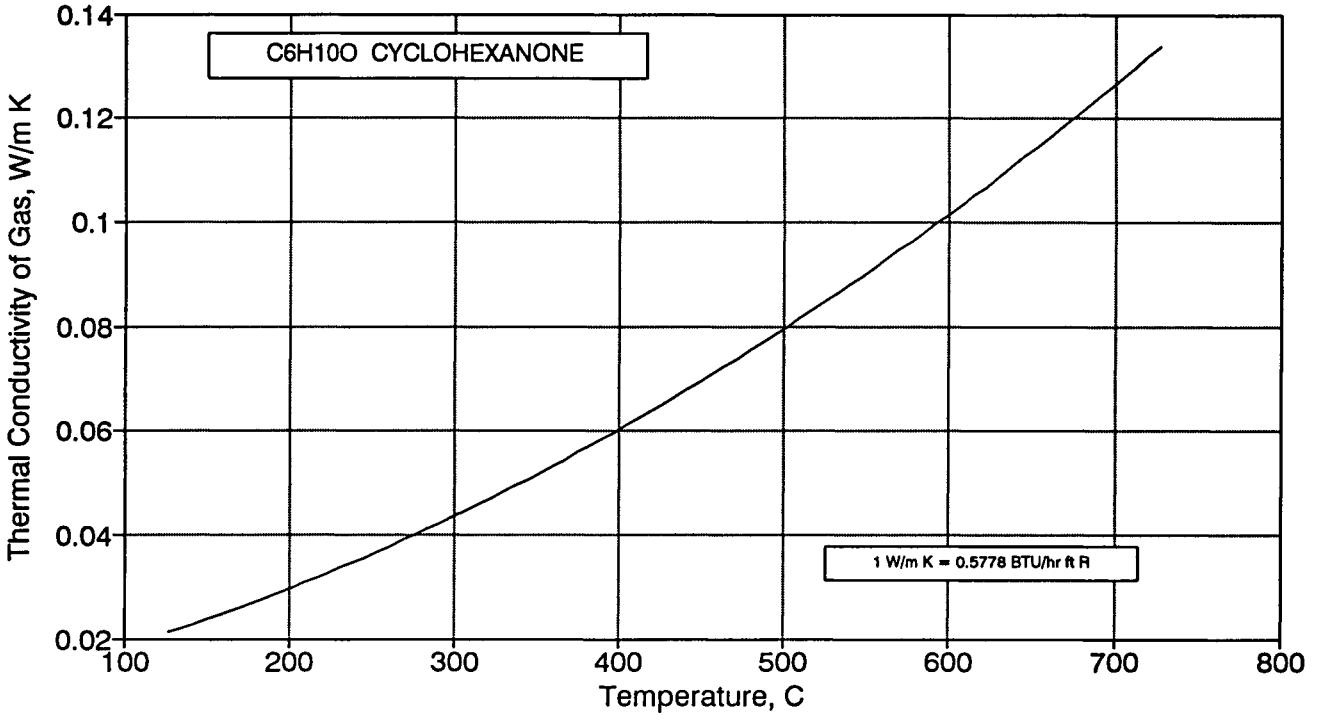

C6H10 1-HEXYNE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

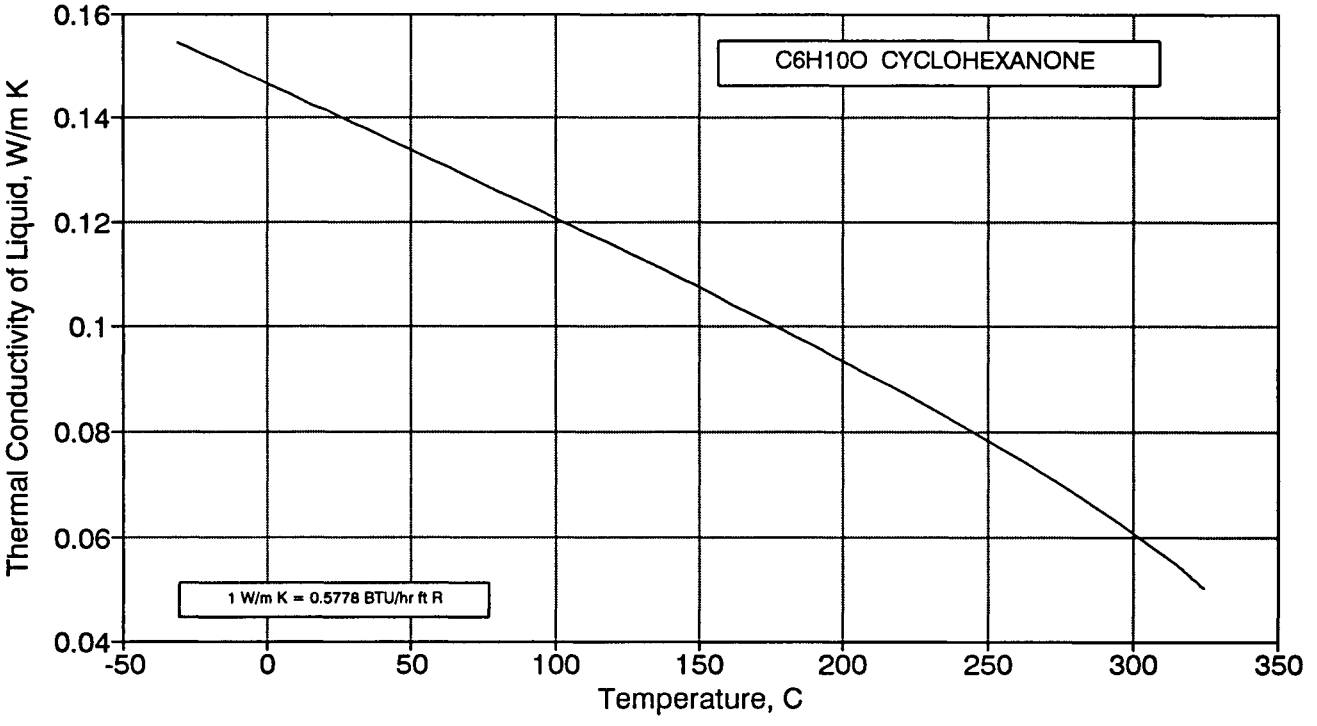

C6H10 2-HEXYNE
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

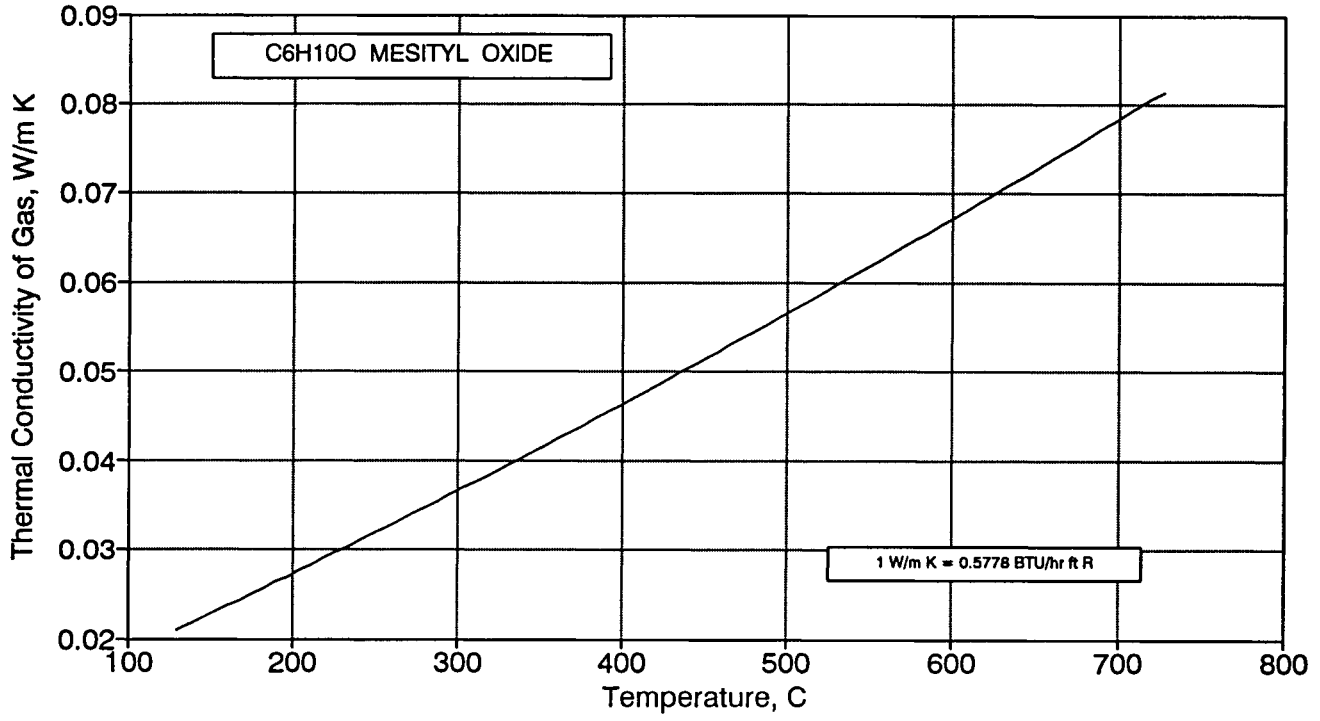

C6H10 2-HEXYNE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

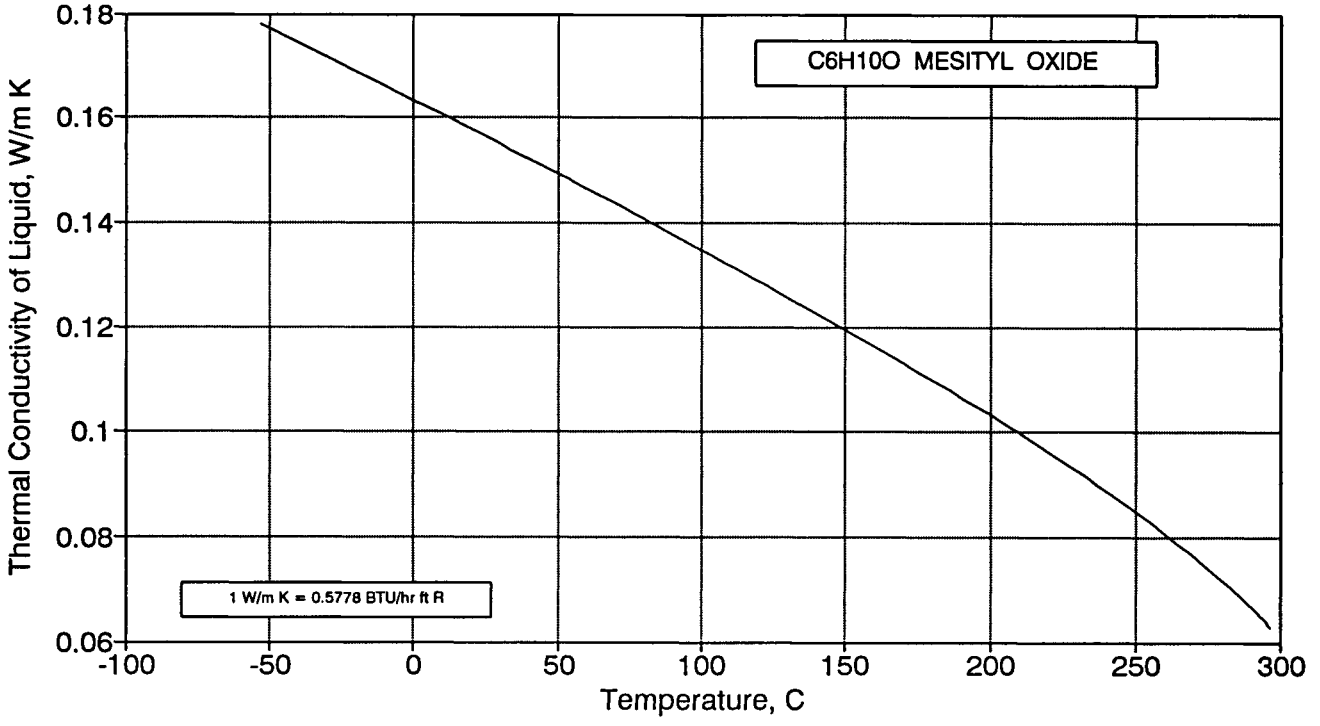

C6H10 3-HEXYNE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800

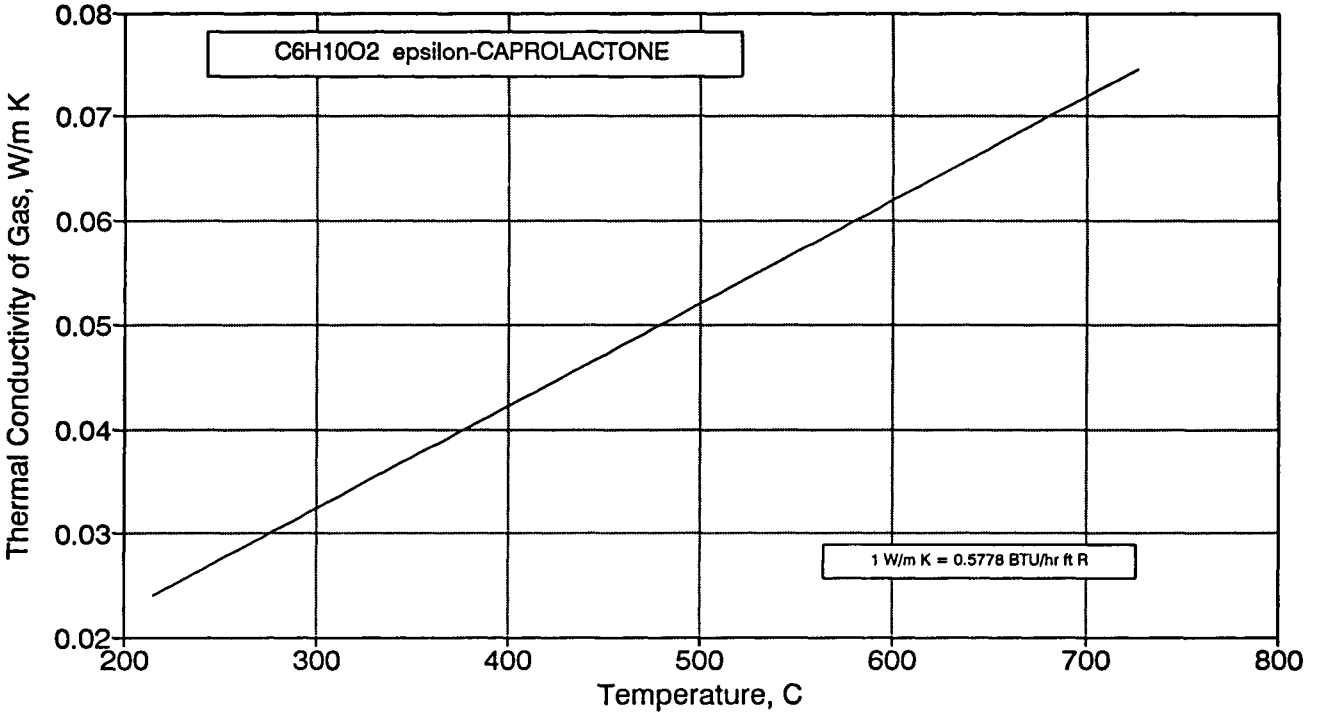

C6H10 3-HEXYNE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250

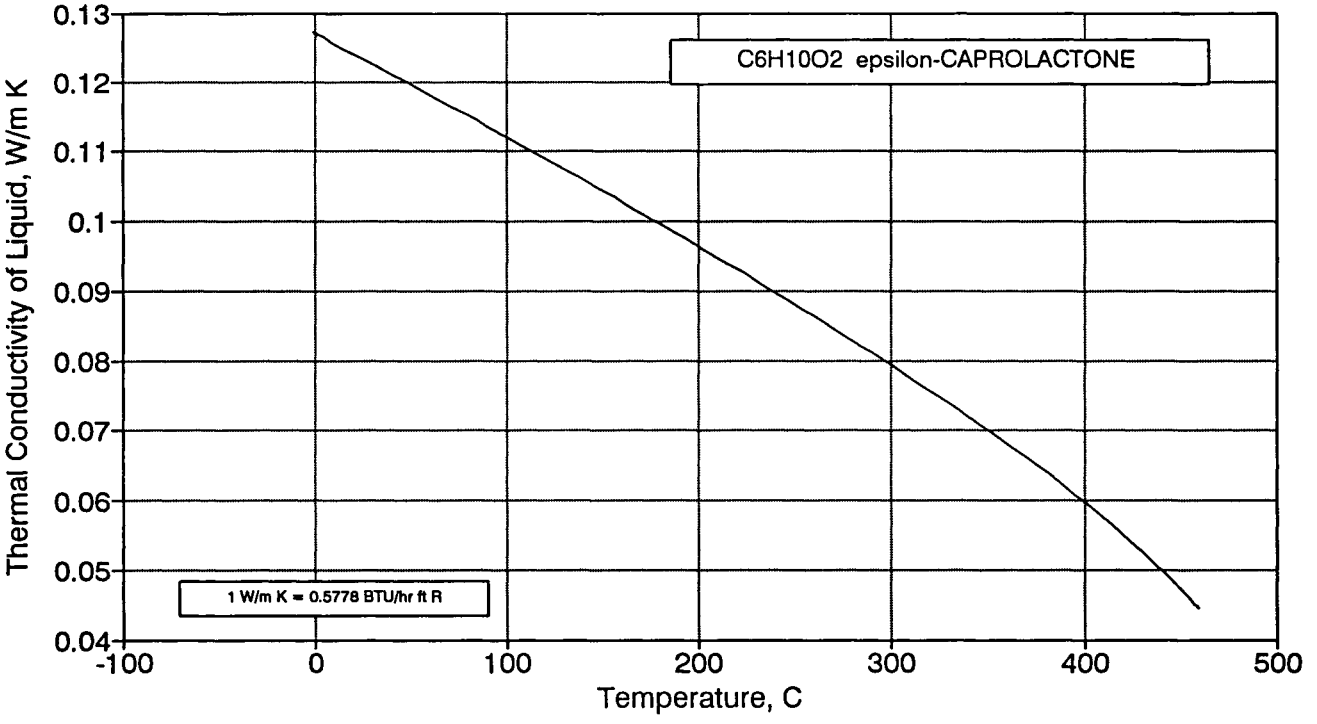

C6H10O CYCLOHEXANONE
Thermal Conductivity of Gas, W/m K
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

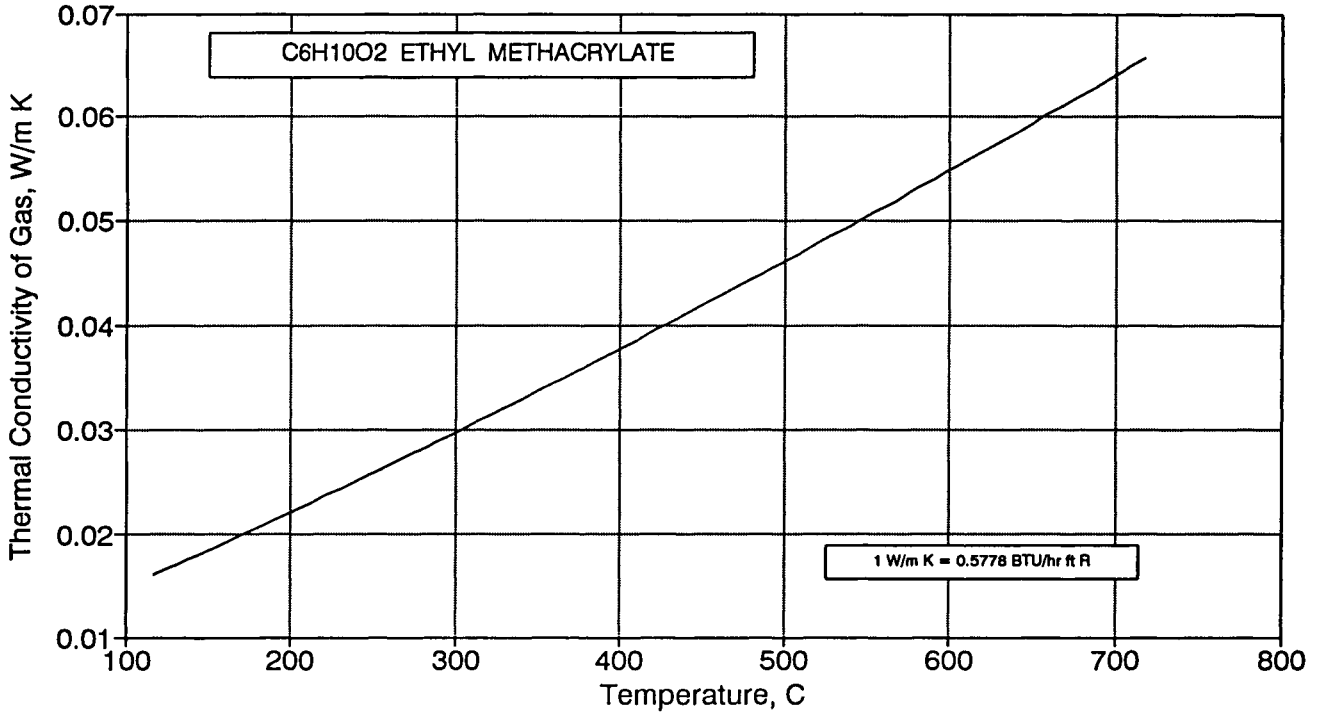

C6H10O CYCLOHEXANONE
Thermal Conductivity of Liquid, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

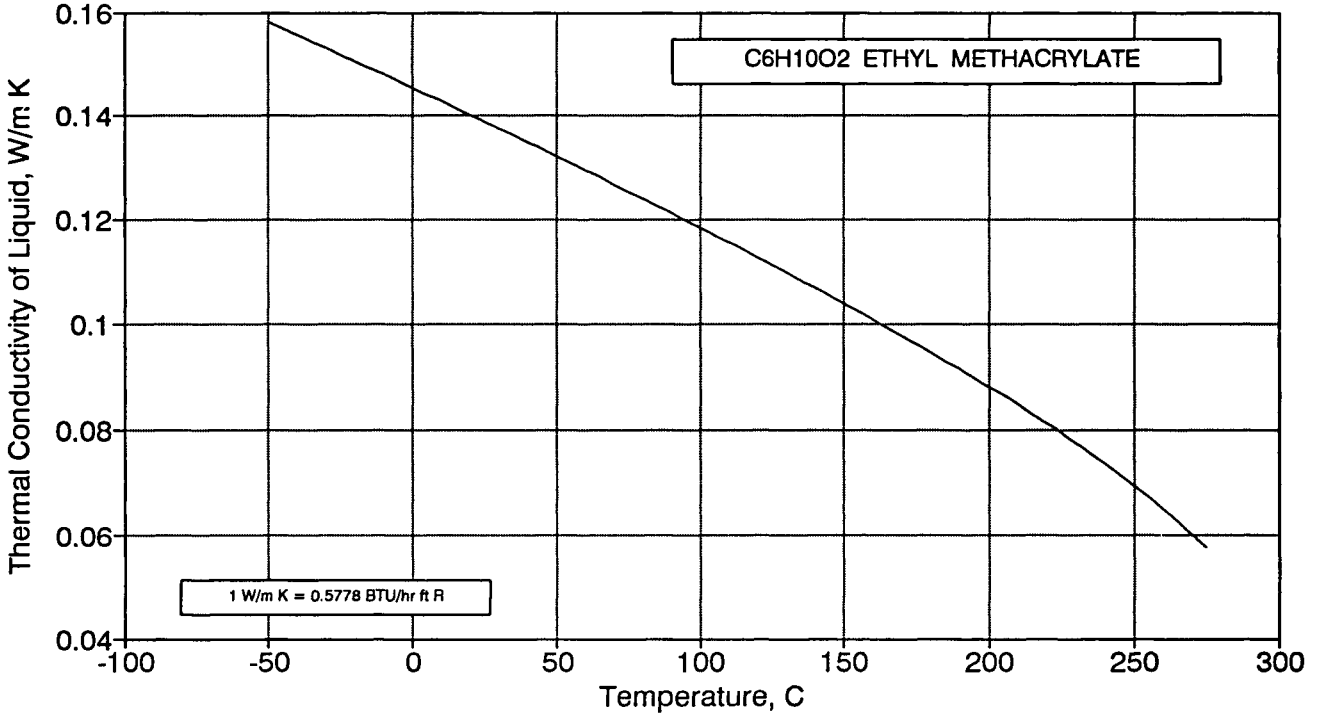

C6H10O MESITYL OXIDE
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

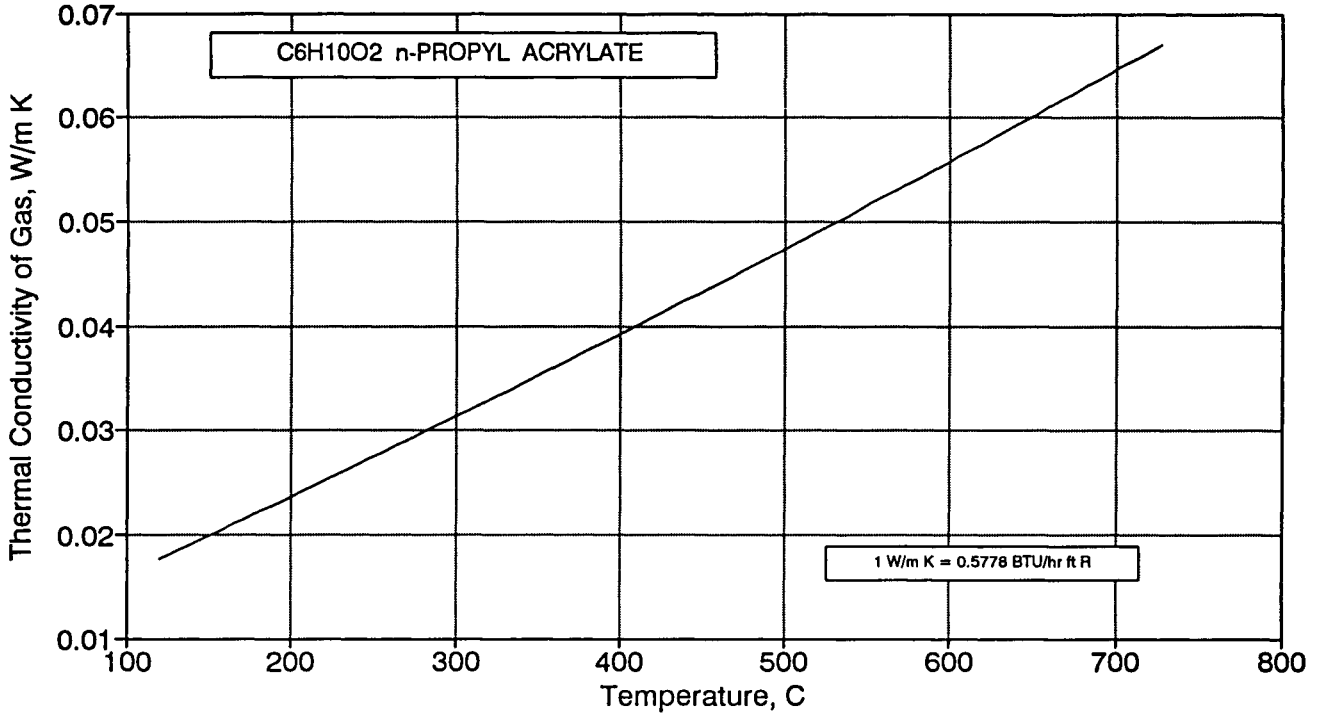

C6H10O MESITYL OXIDE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

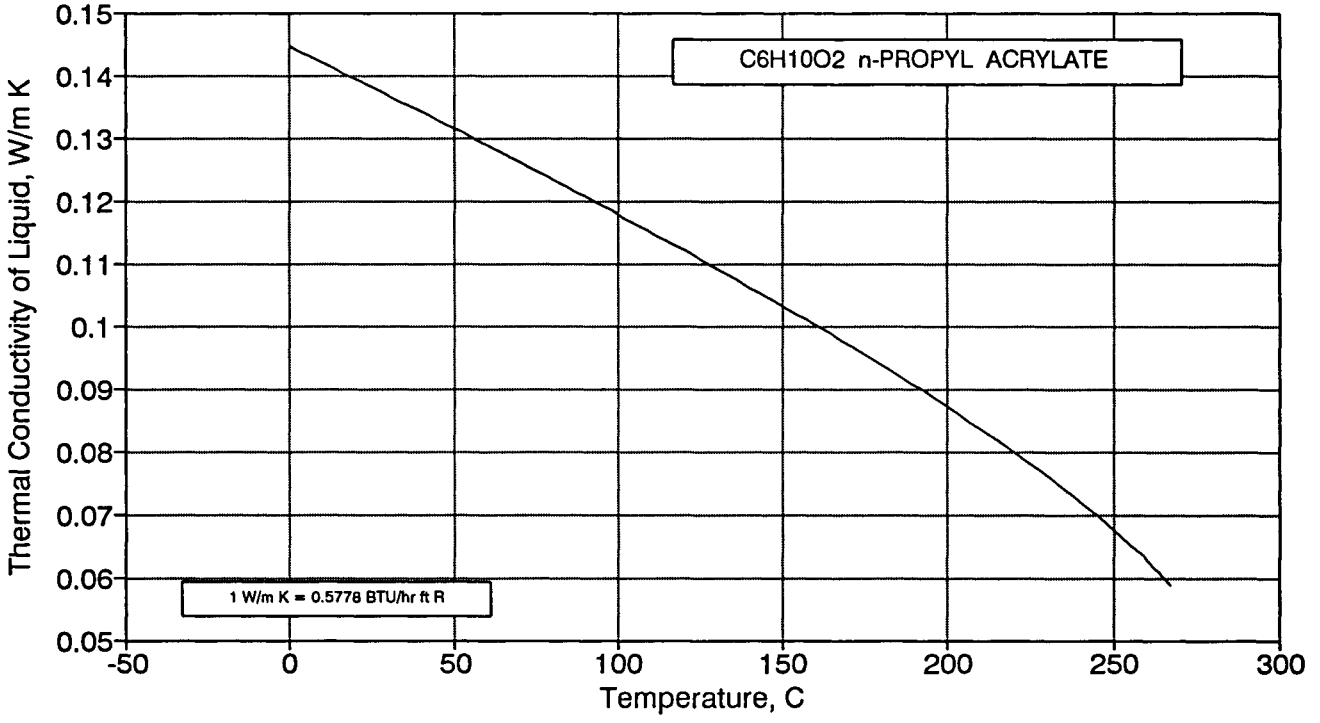

C6H10O2 epsilon-CAPROLACTONE
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

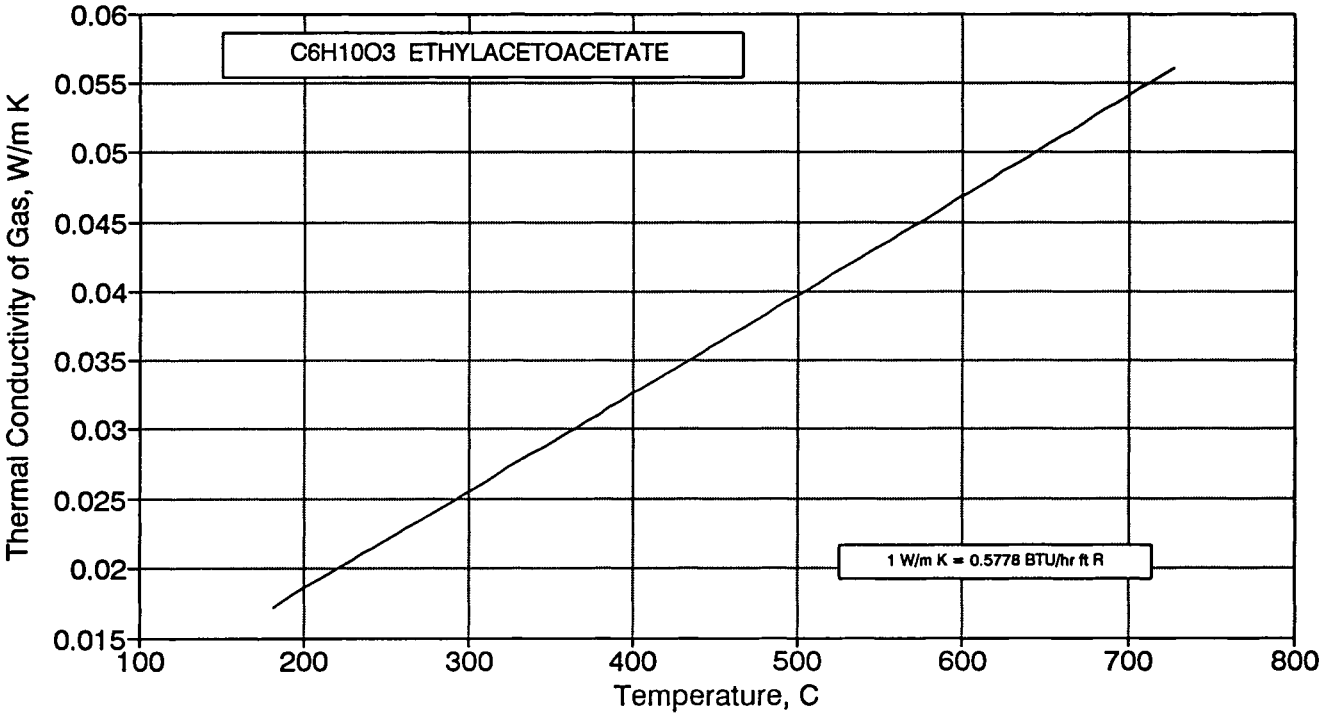

C6H10O2 epsilon-CAPROLACTONE
Thermal Conductivity of Liquid, W/m K
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-100
0
100
200
300
400
500
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

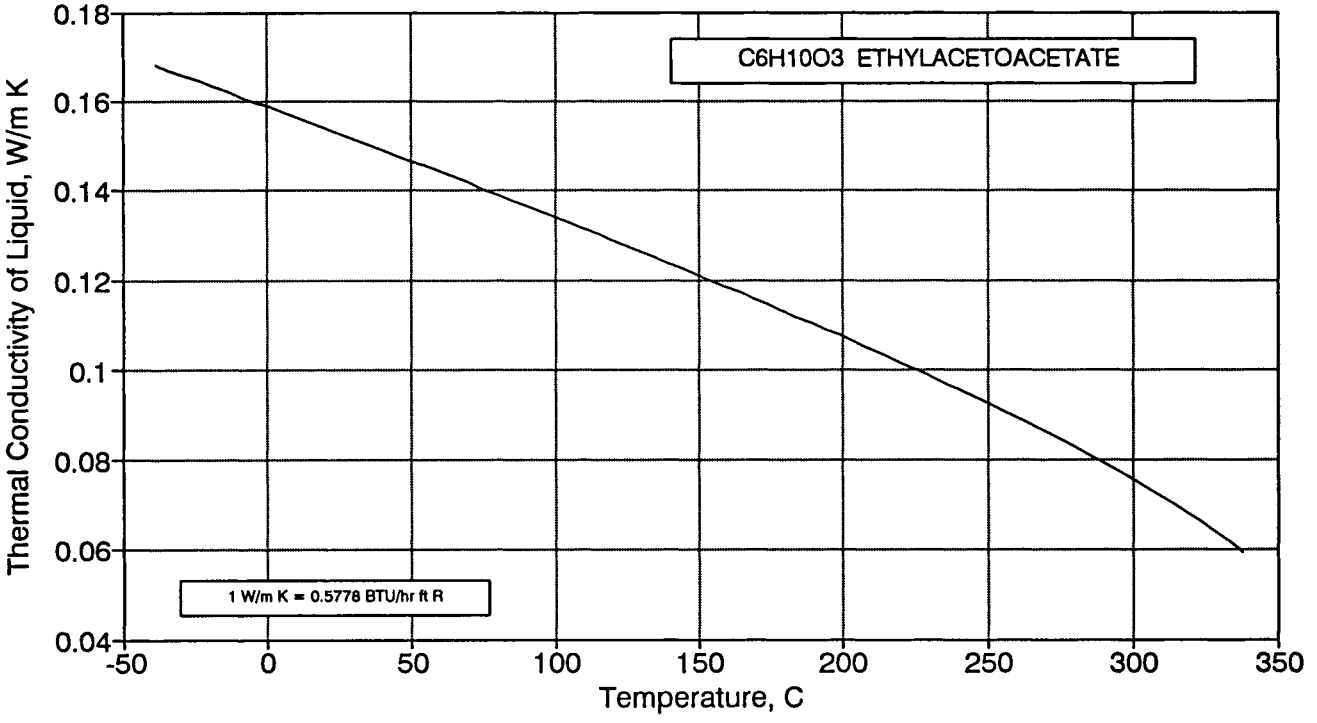

C6H10O2 ETHYL METHACRYLATE
Thermal Conductivity of Gas, W/m K
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

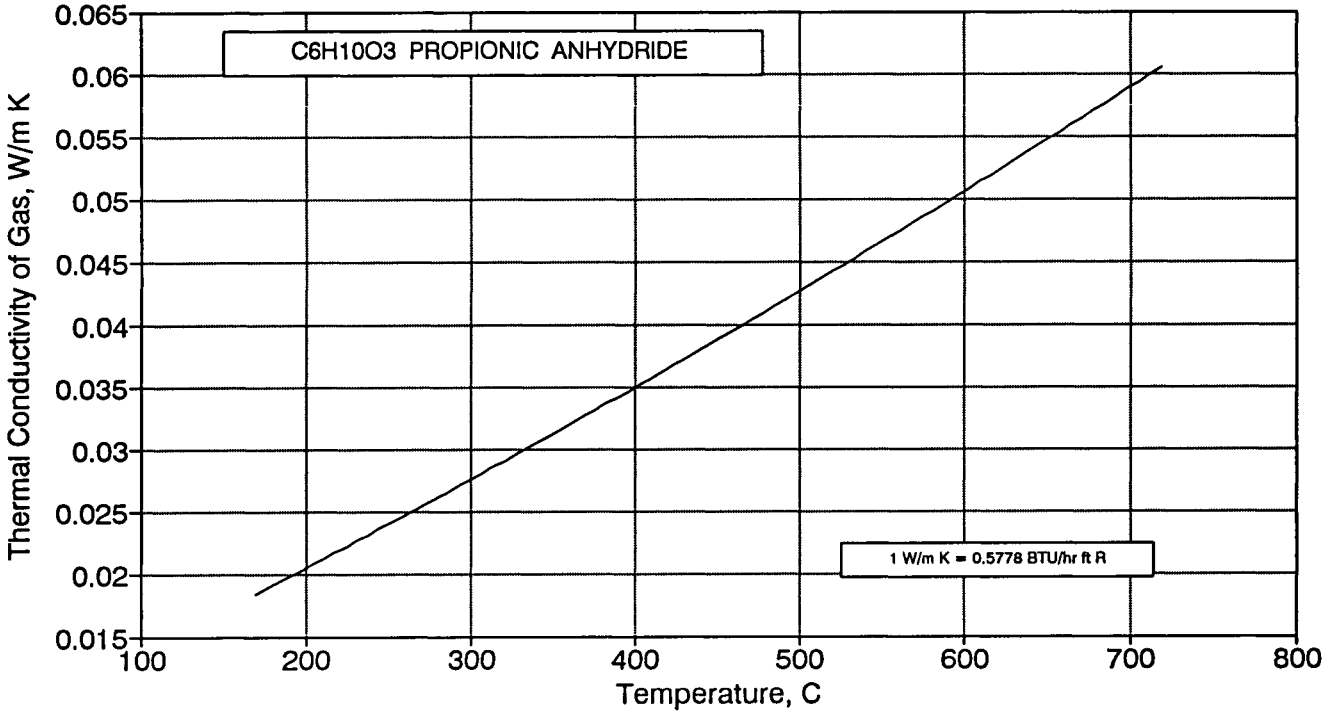

C6H10O2 ETHYL METHACRYLATE
Thermal Conductivity of Liquid, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

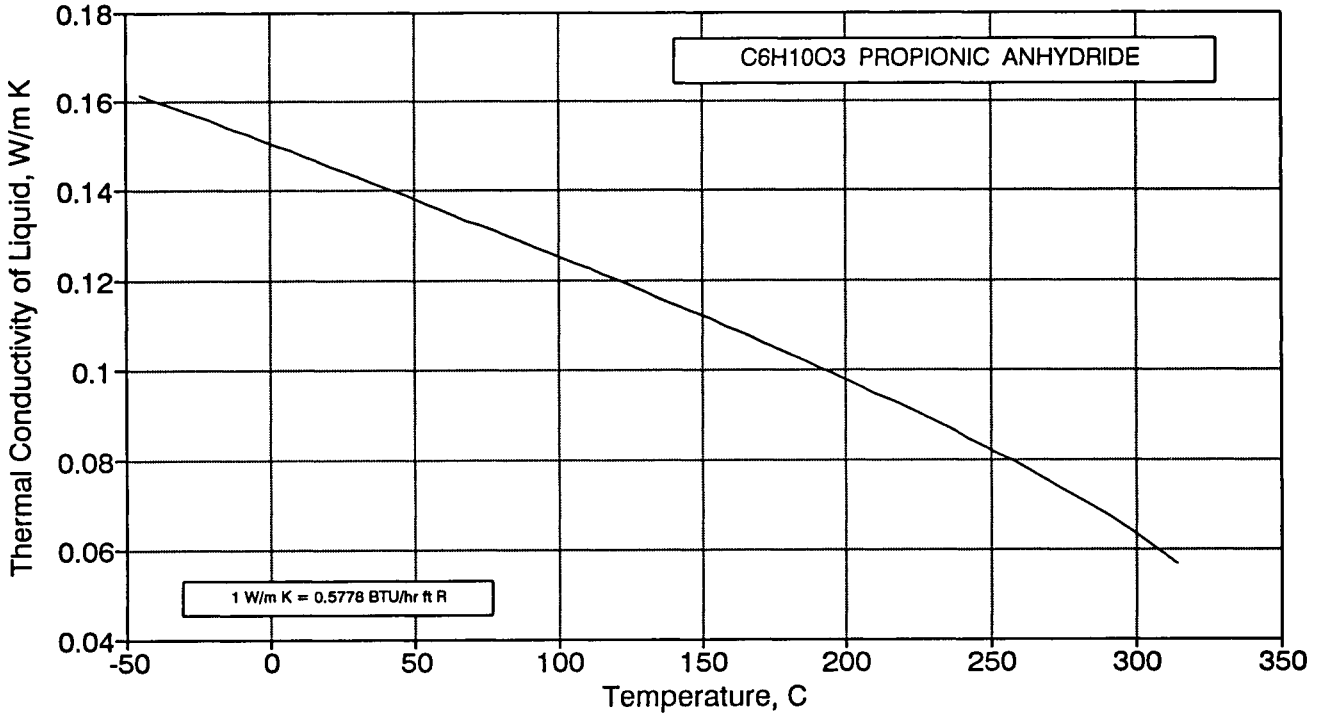

C6H10O2 n-PROPYL ACRYLATE
Thermal Conductivity of Gas, W/m K
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

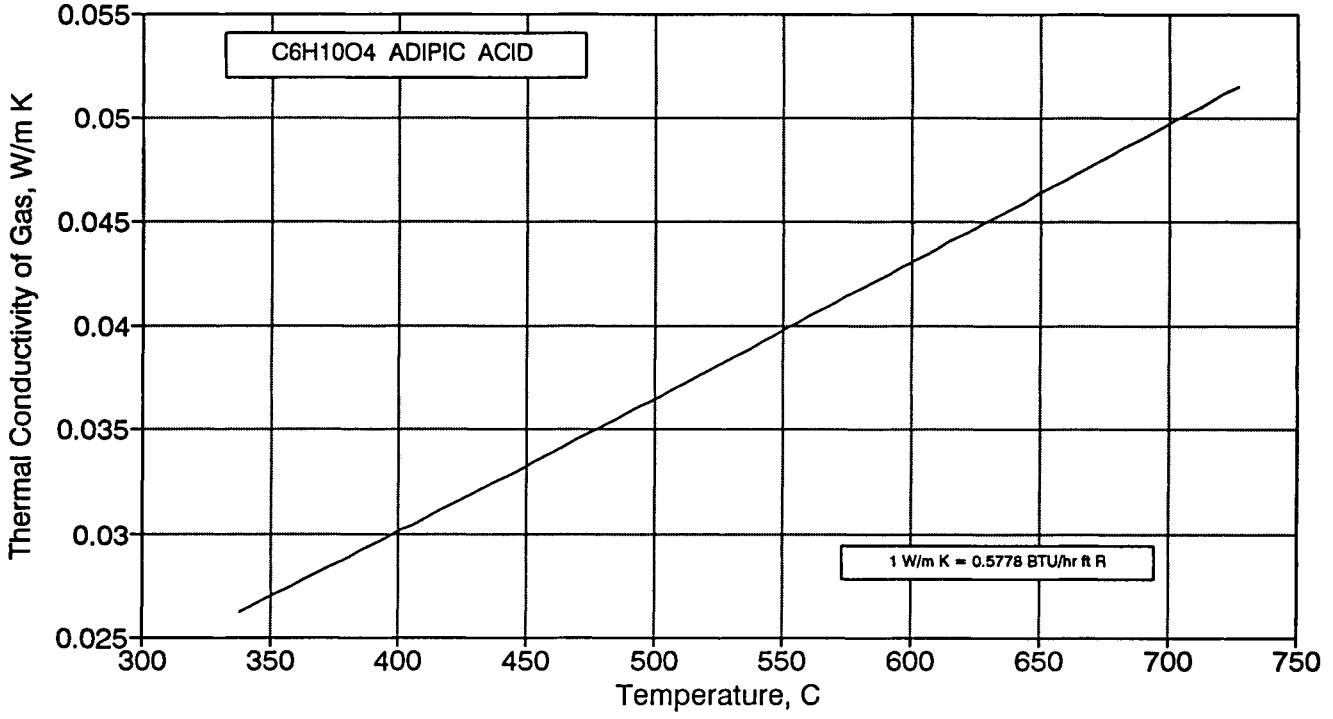

C6H10O2 n-PROPYL ACRYLATE
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

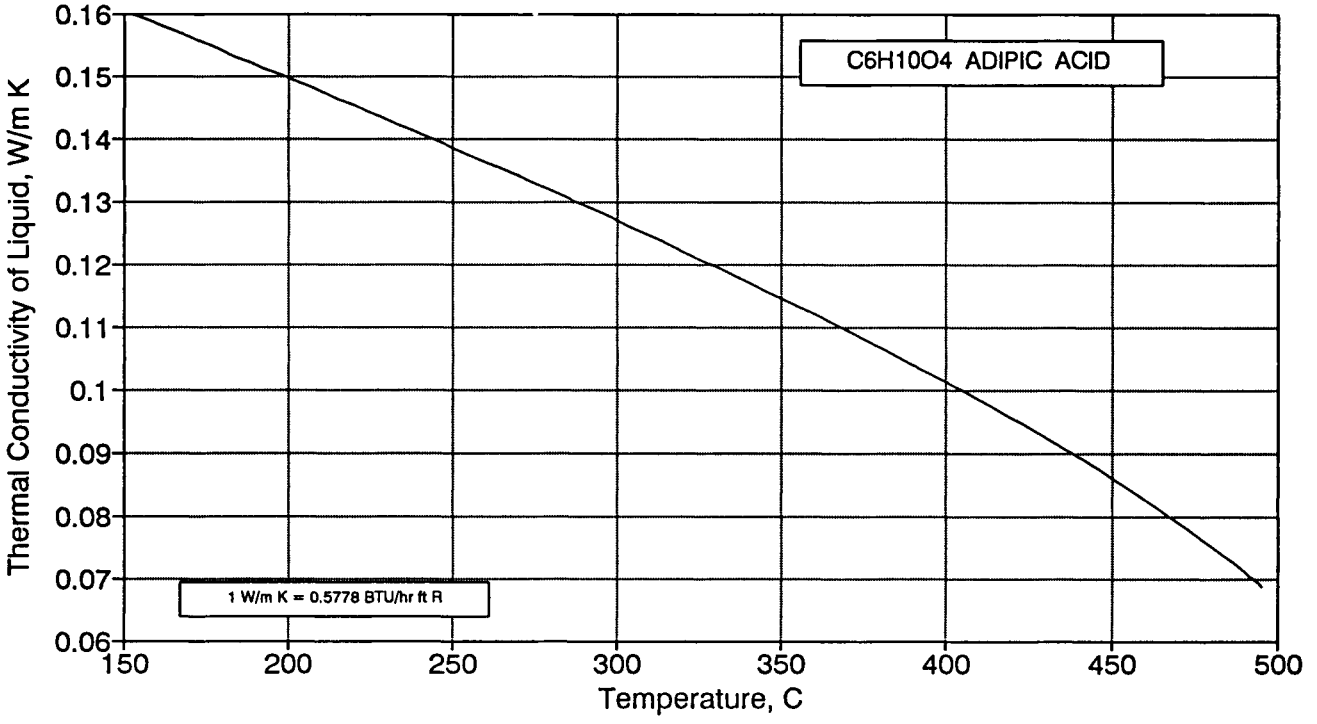

C6H10O3 ETHYLACETOACETATE
Thermal Conductivity of Gas, W/m K
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

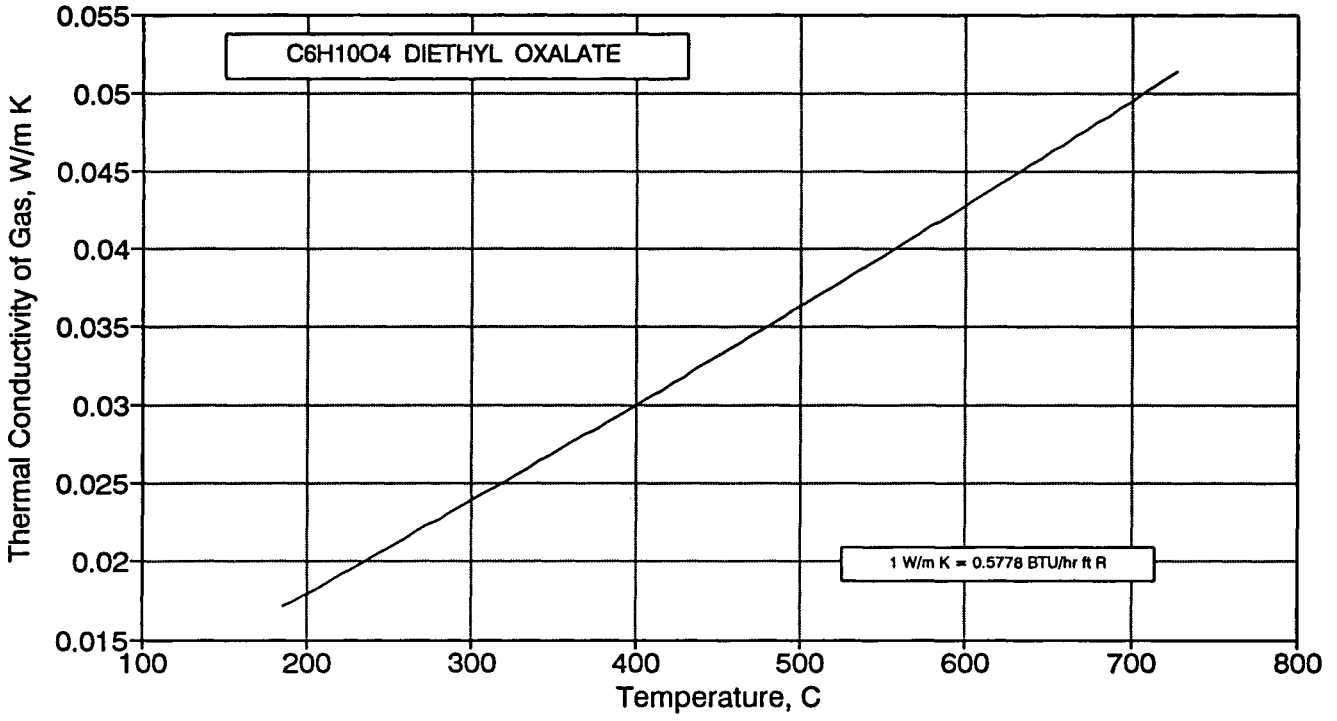

C6H10O3 ETHYLACETOACETATE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

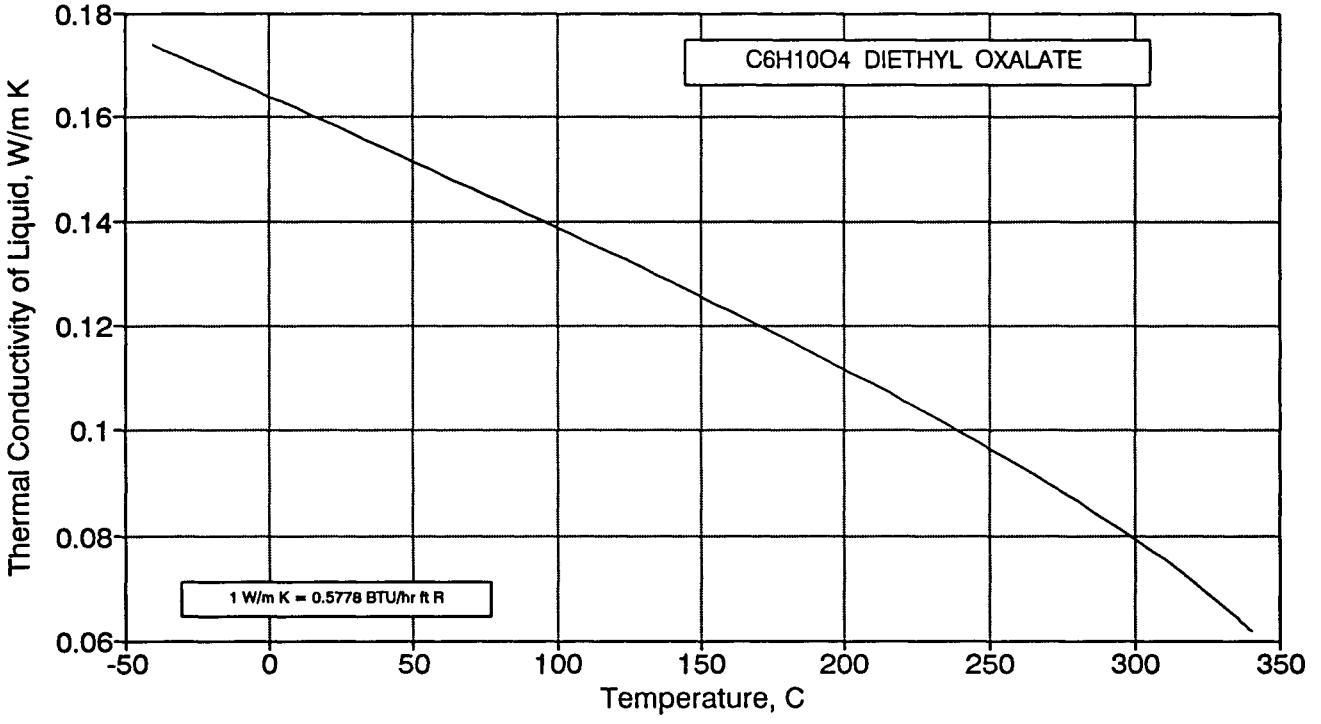

C6H10O3 PROPIONIC ANHYDRIDE
Thermal Conductivity of Gas, W/m K
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

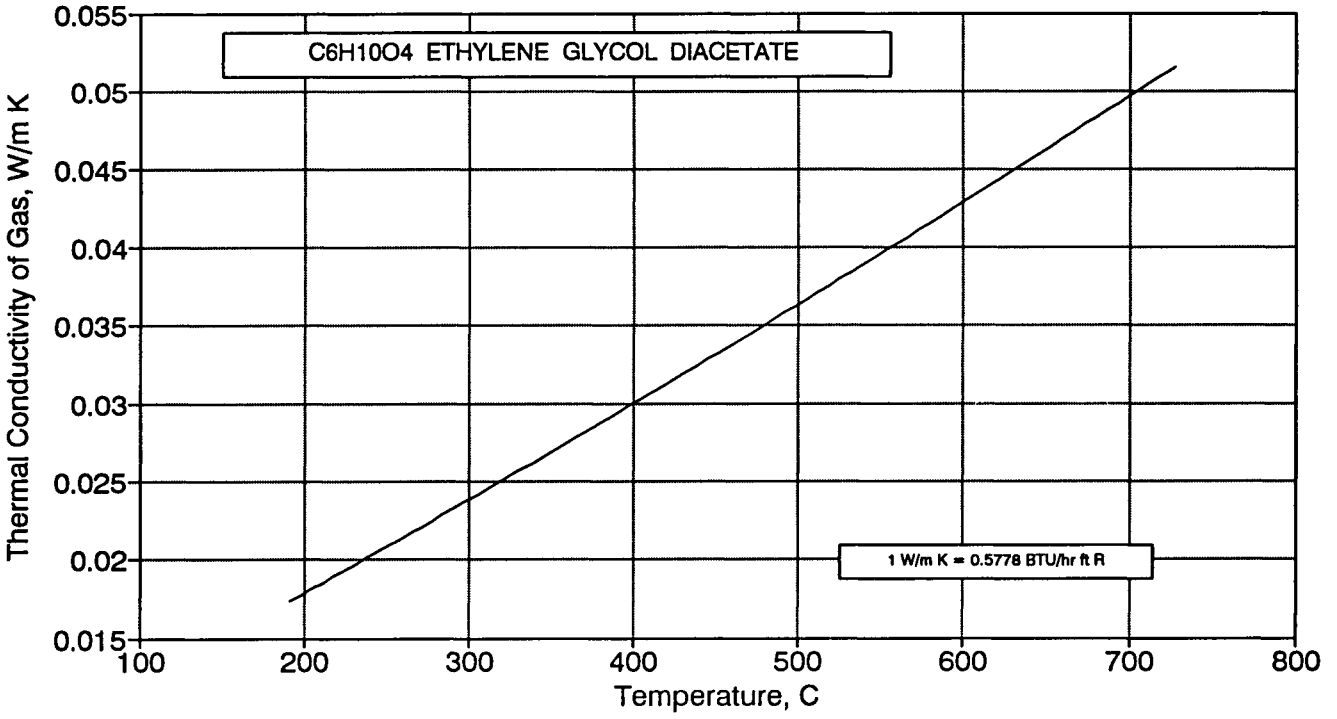

C6H10O3 PROPIONIC ANHYDRIDE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

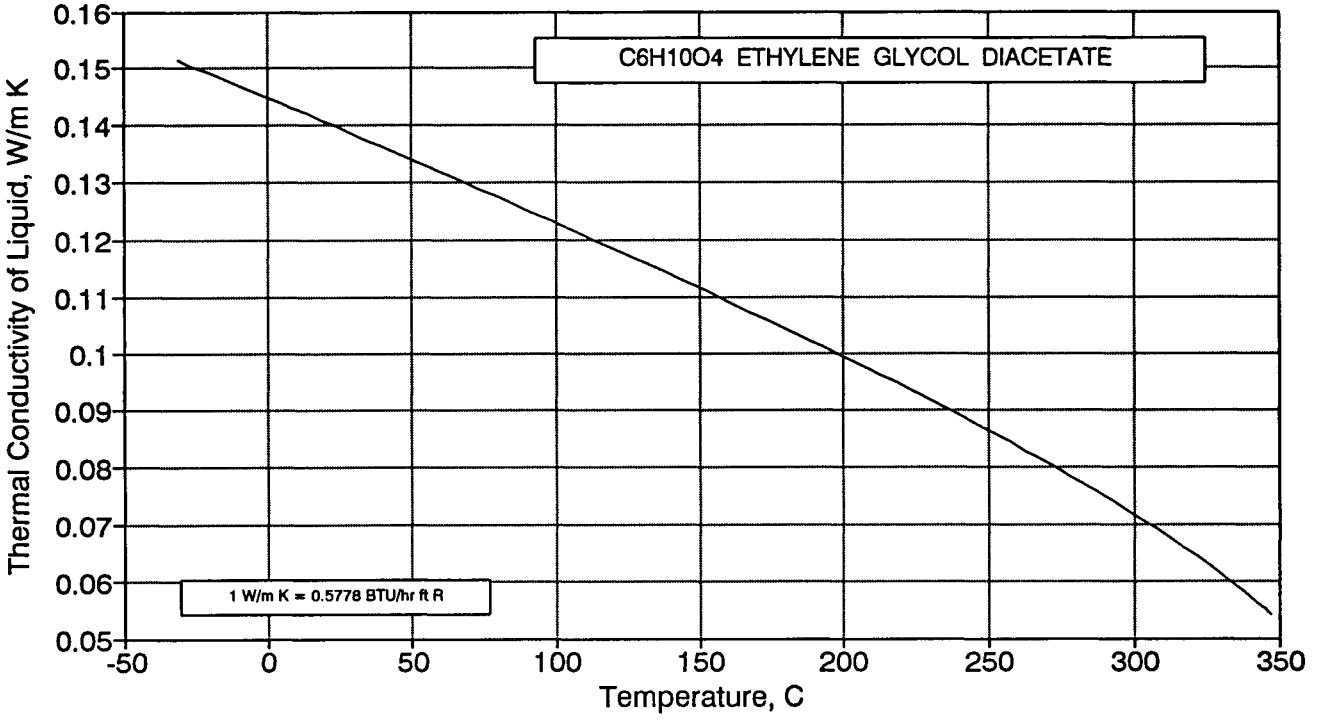

C6H10O4 ADIPIC ACID
Thermal Conductivity of Gas, W/m K
0.055
0.05
0.045
0.04
0.035
0.03
0.025
300
350
400
450
500
550
600
650
700
750
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

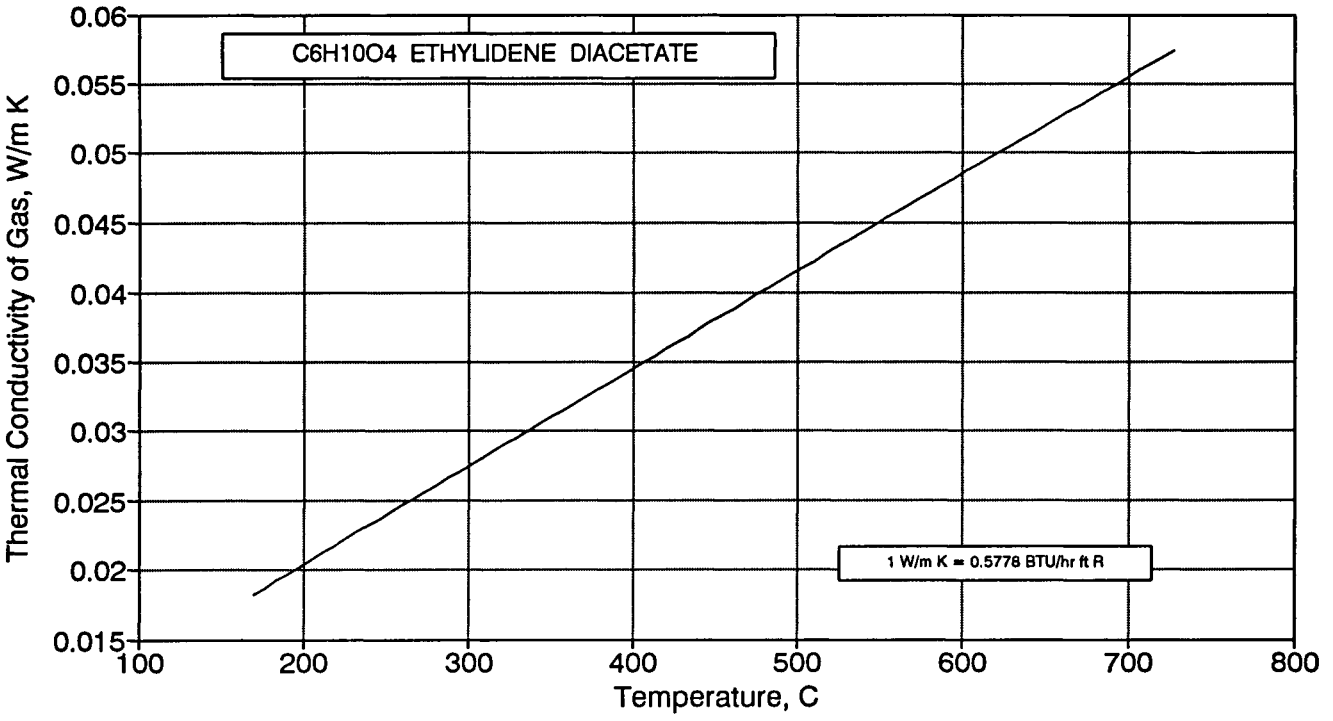

C6H10O4 ADIPIC ACID
Thermal Conductivity of Liquid, W/m K
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
150
200
250
300
350
400
450
500
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

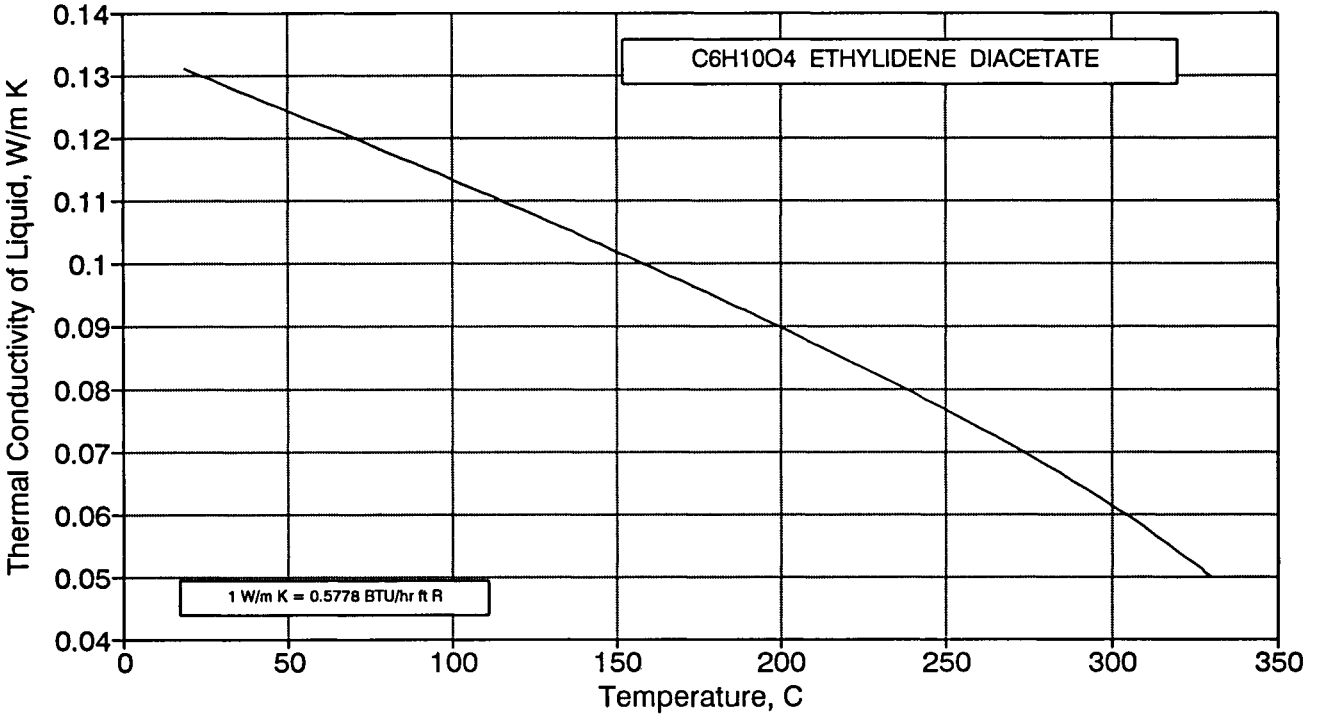

C6H10O4 DIETHYL OXALATE
Thermal Conductivity of Gas, W/m K
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
1 W/m K = 0.5778 BTU/hr ft R
100
200
300
400
500
600
700
800
Temperature, C

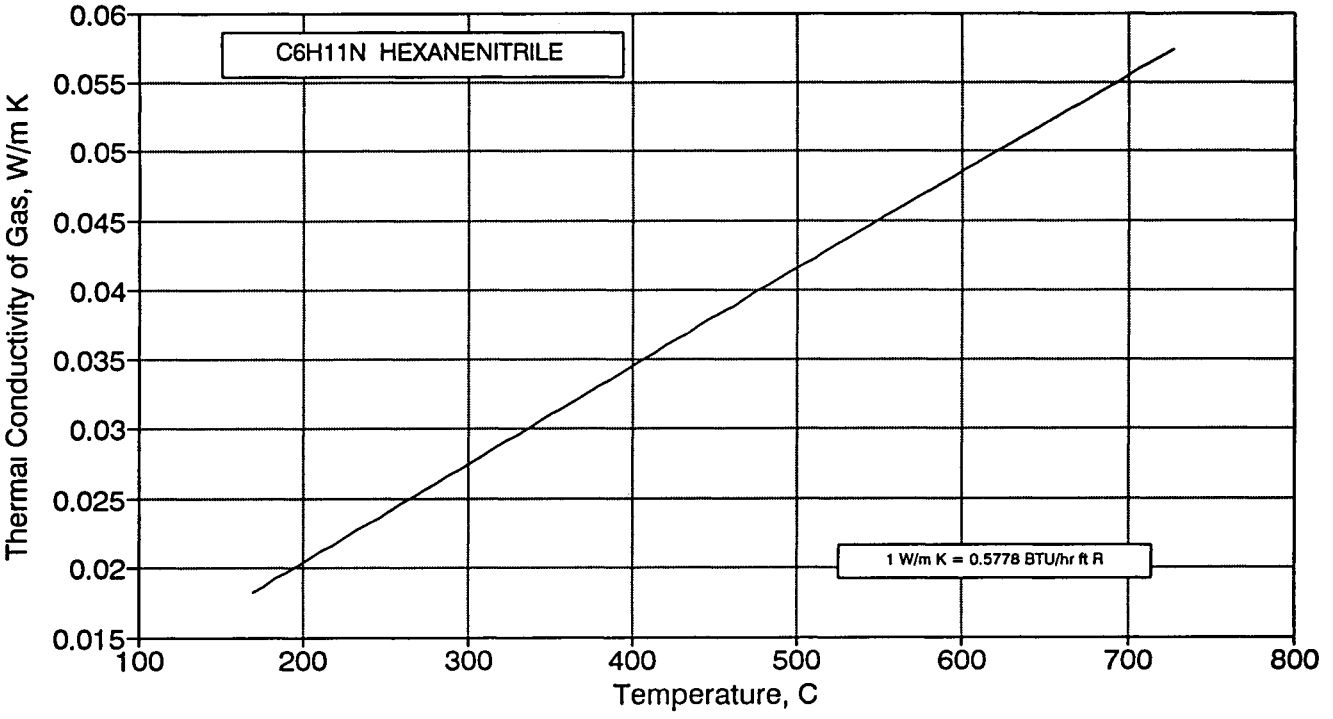

C6H10O4 DIETHYL OXALATE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
1 W/m K = 0.5778 BTU/hr ft R
-50
0
50
100
150
200
250
300
350
Temperature, C

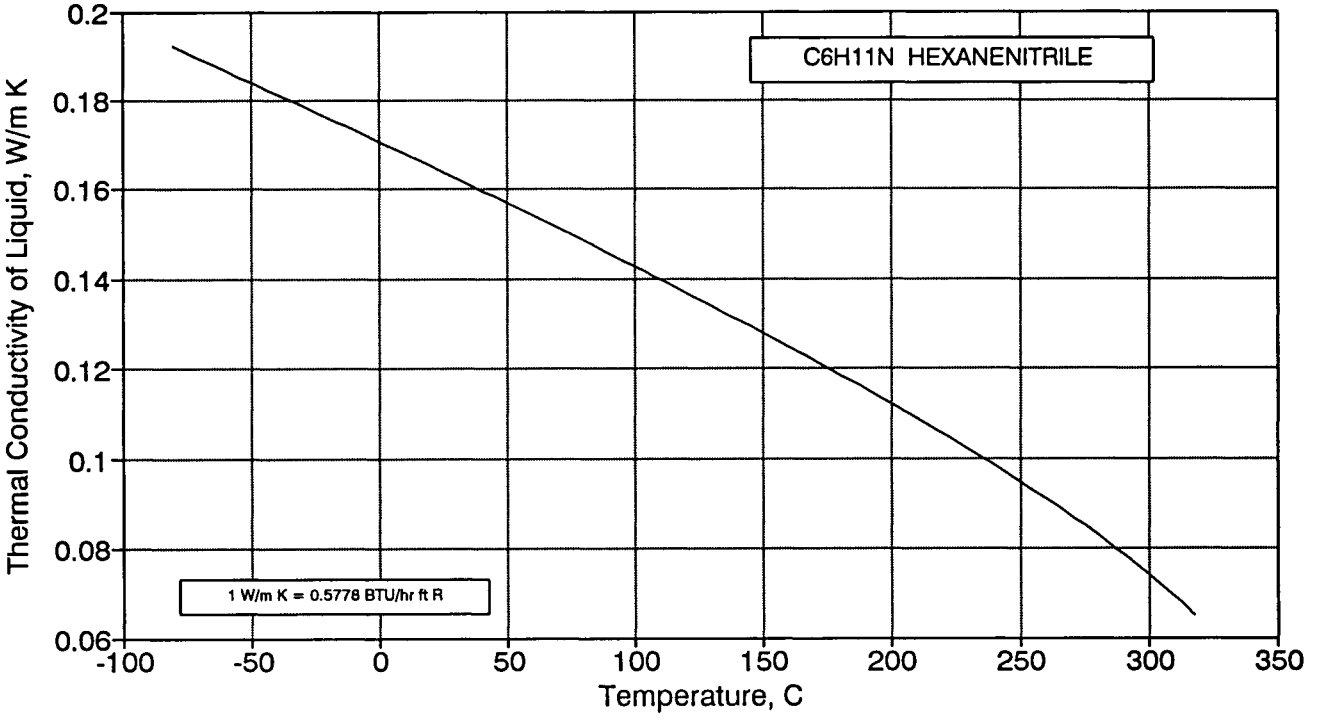

C6H10O4 ETHYLENE GLYCOL DIACETATE
Thermal Conductivity of Gas, W/m K
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

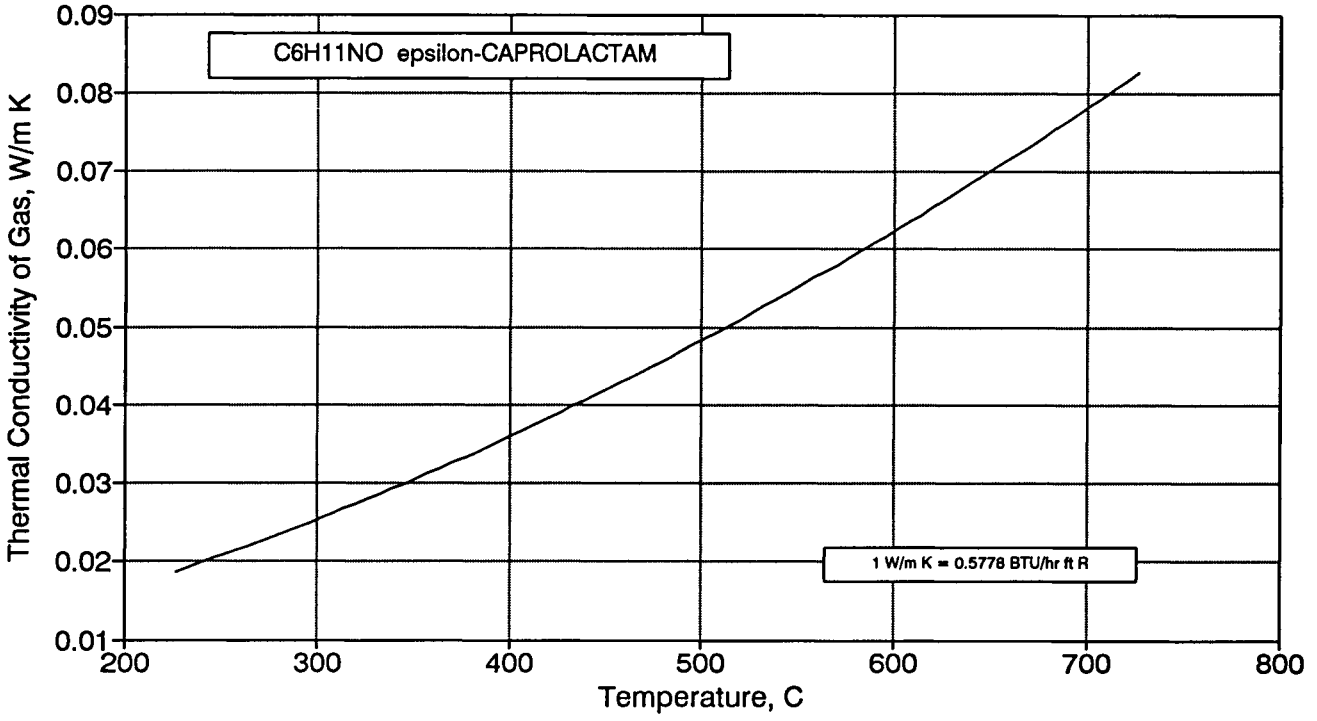

C6H10O4 ETHYLENE GLYCOL DIACETATE
Thermal Conductivity of Liquid, W/m K
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

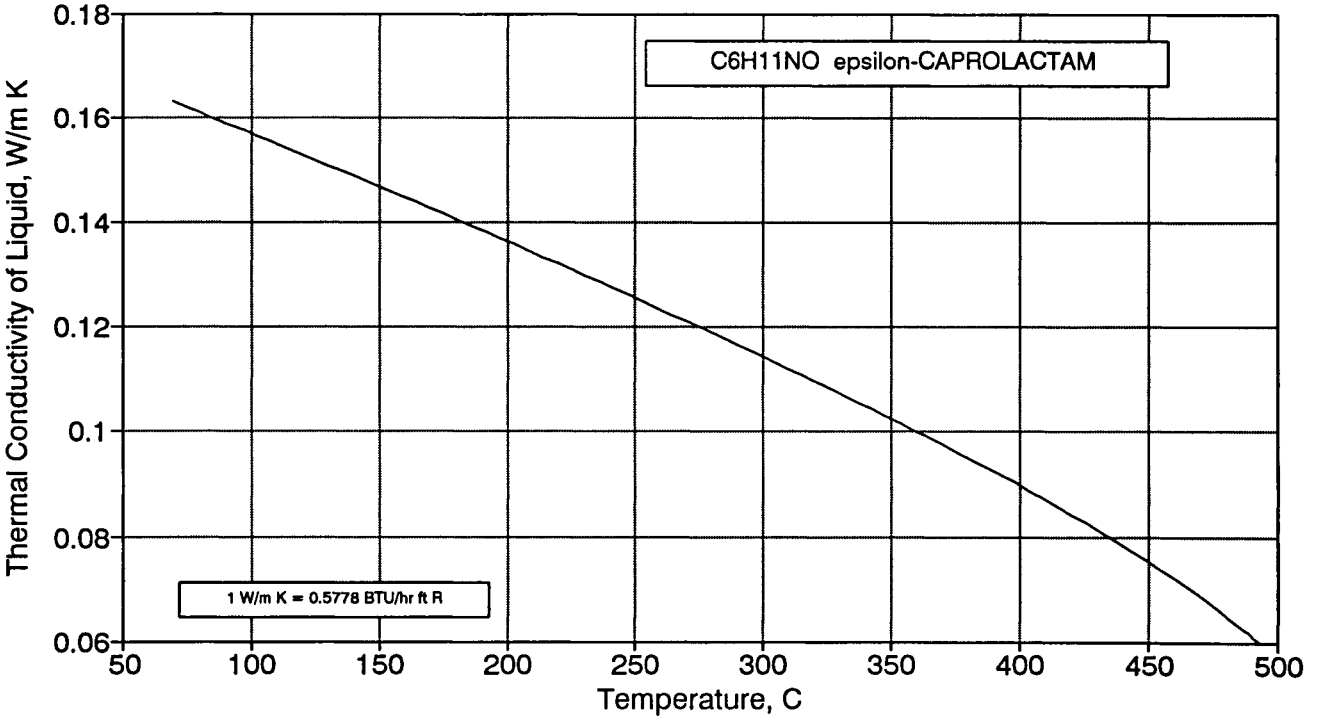

C6H10O4 ETHYLIDENE DIACETATE
Thermal Conductivity of Gas, W/m K
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

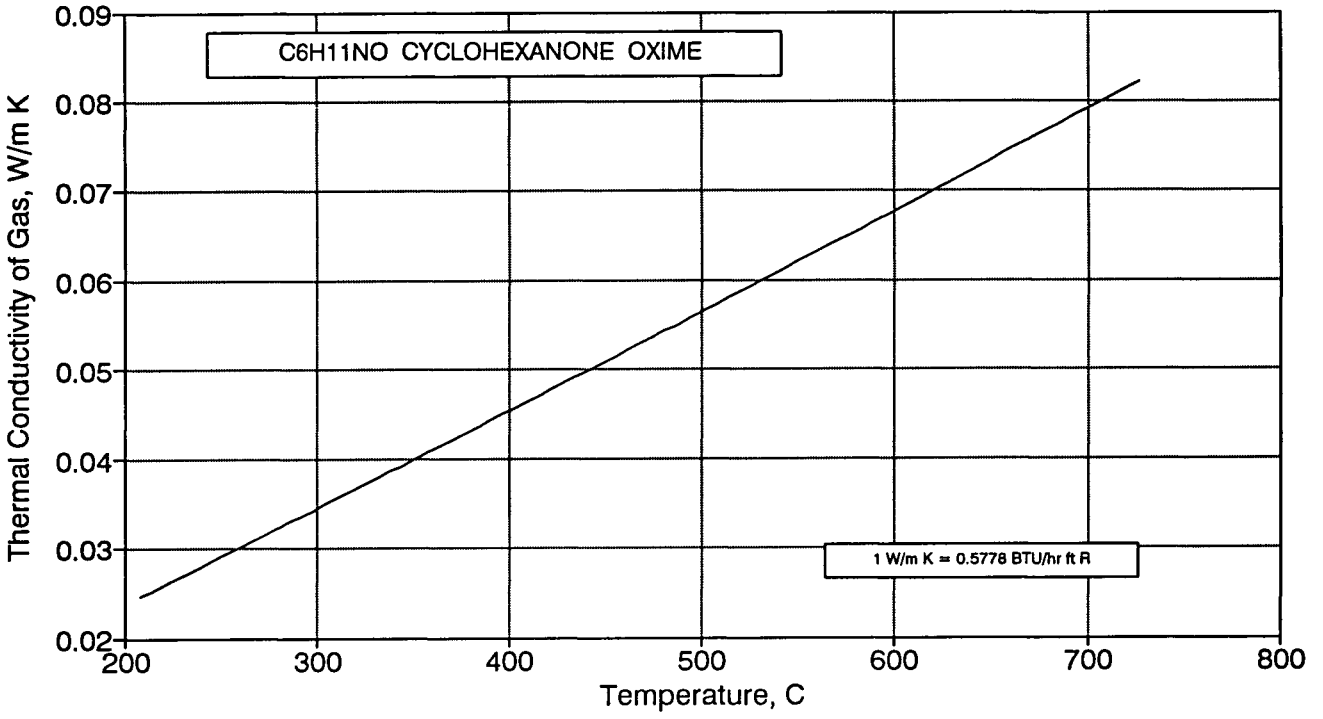

C6H10O4 ETHYLIDENE DIACETATE
Thermal Conductivity of Liquid, W/m K
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

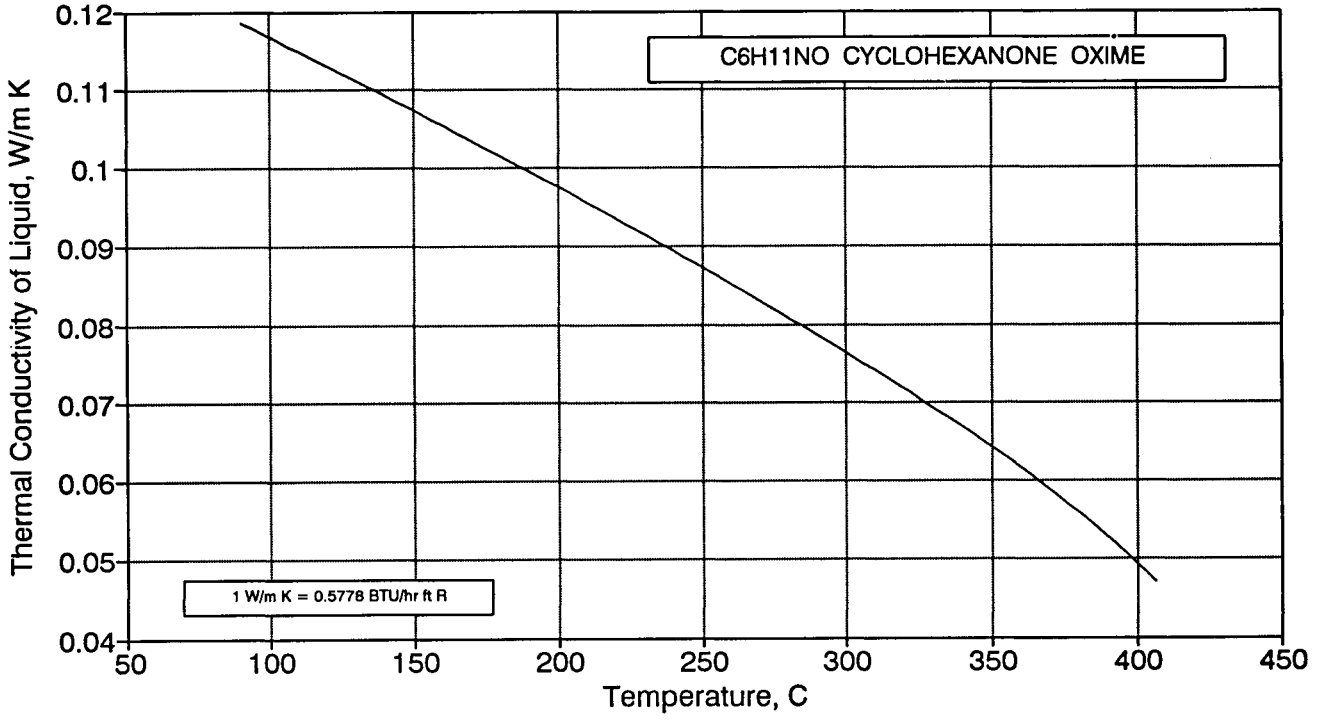

C6H11N HEXANENITRILE
Thermal Conductivity of Gas, W/m K
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

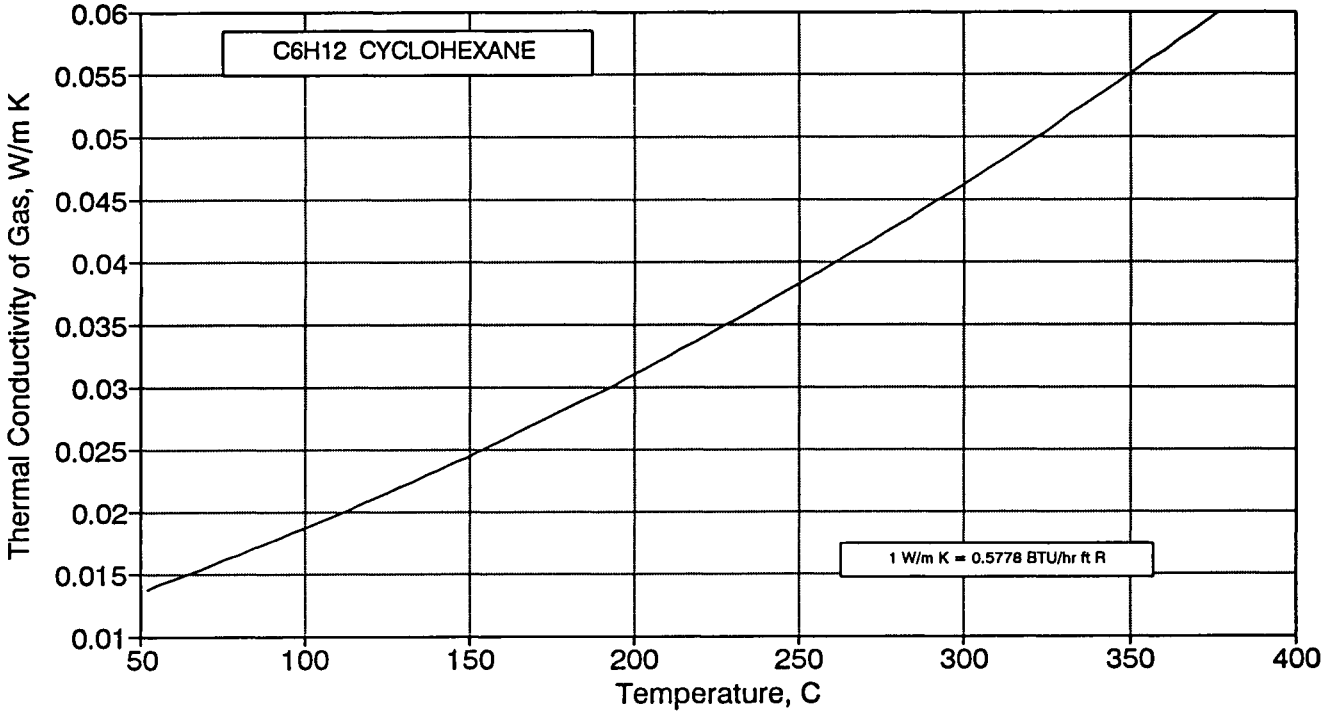

C6H11N HEXANENITRILE
Thermal Conductivity of Liquid, W/m K
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-100
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

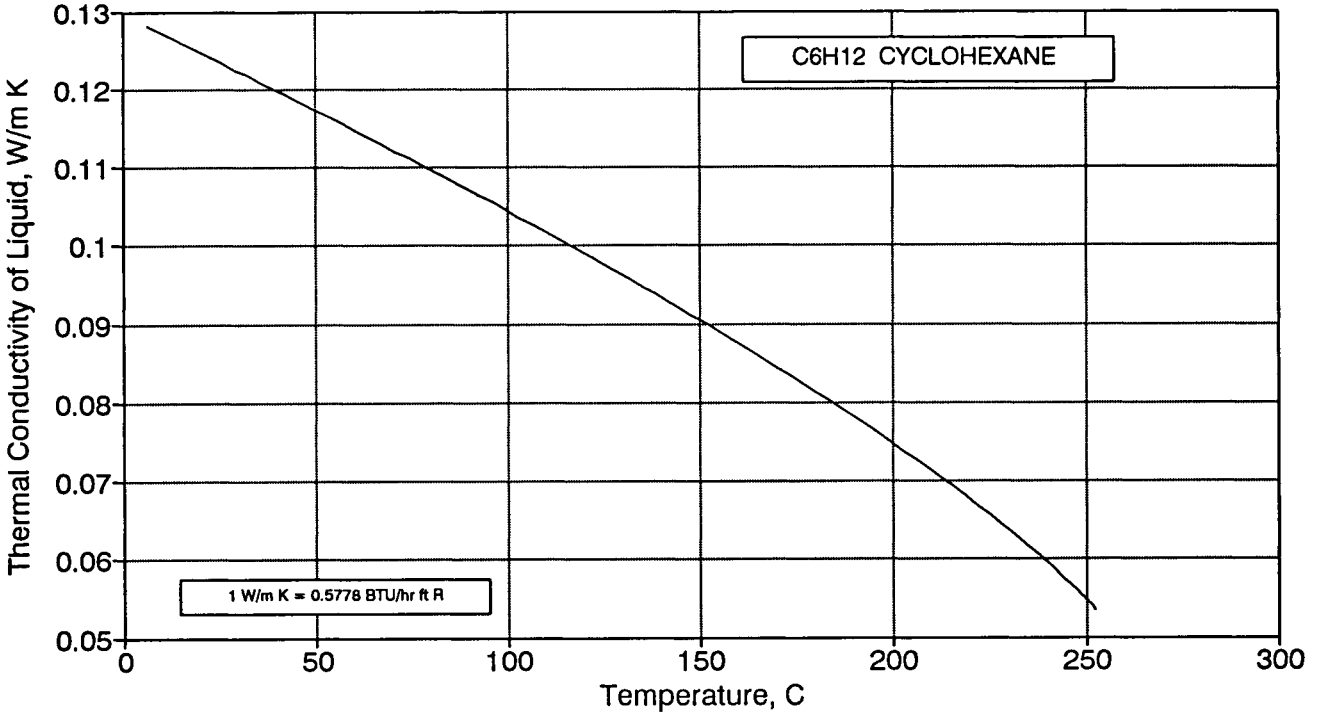

C6H11NO epsilon-CAPROLACTAM
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

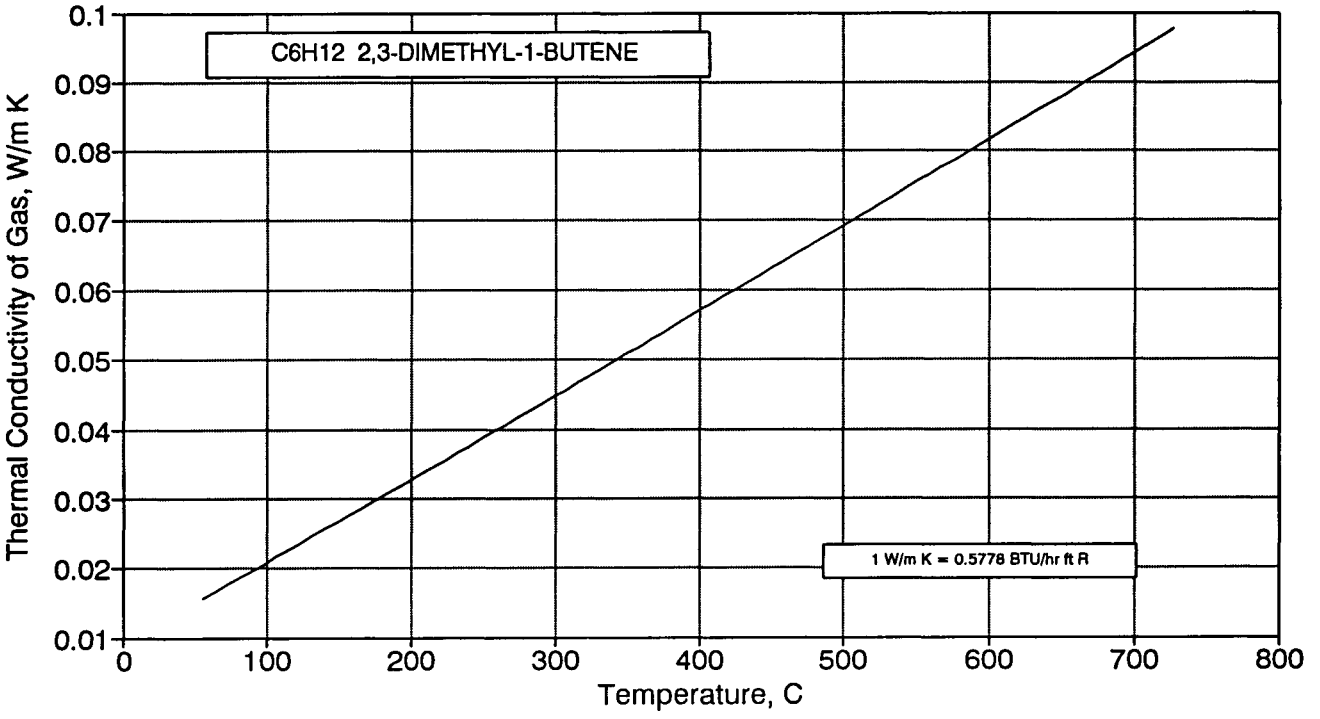

C6H11NO epsilon-CAPROLACTAM
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
50
100
150
200
250
300
350
400
450
500
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

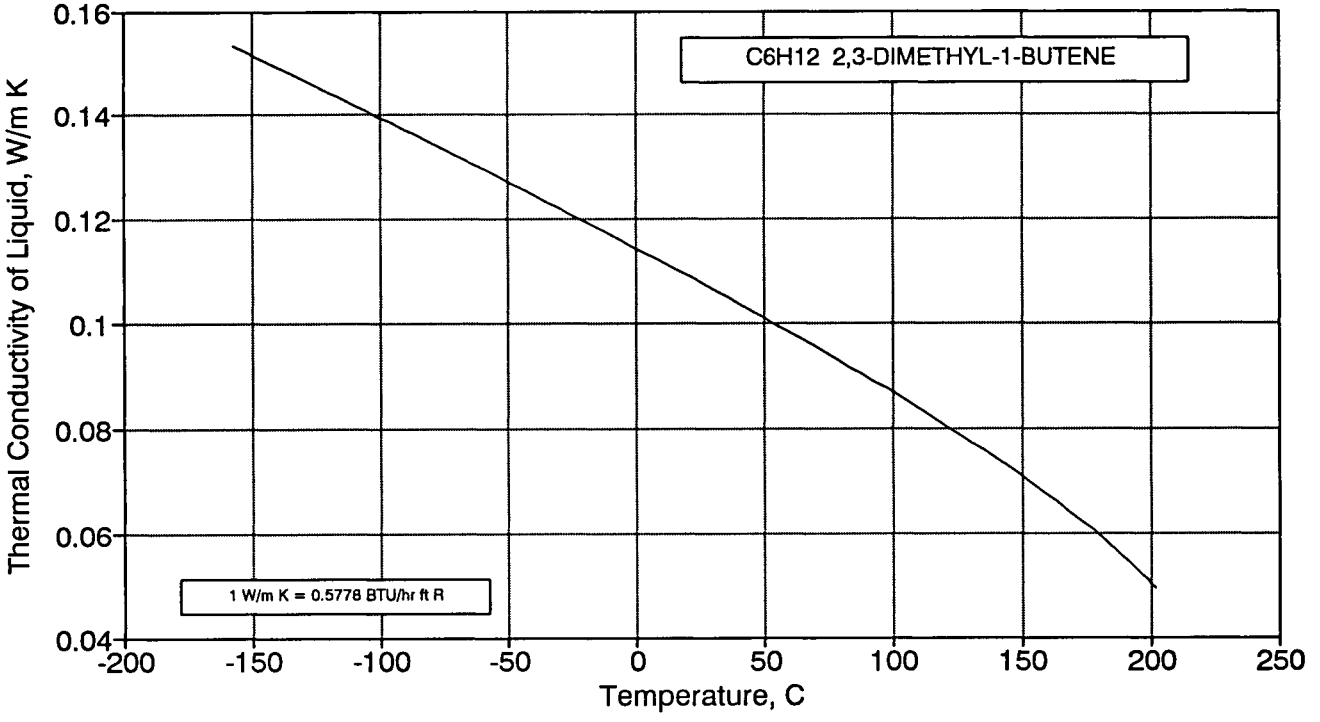

C6H11NO CYCLOHEXANONE OXIME
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

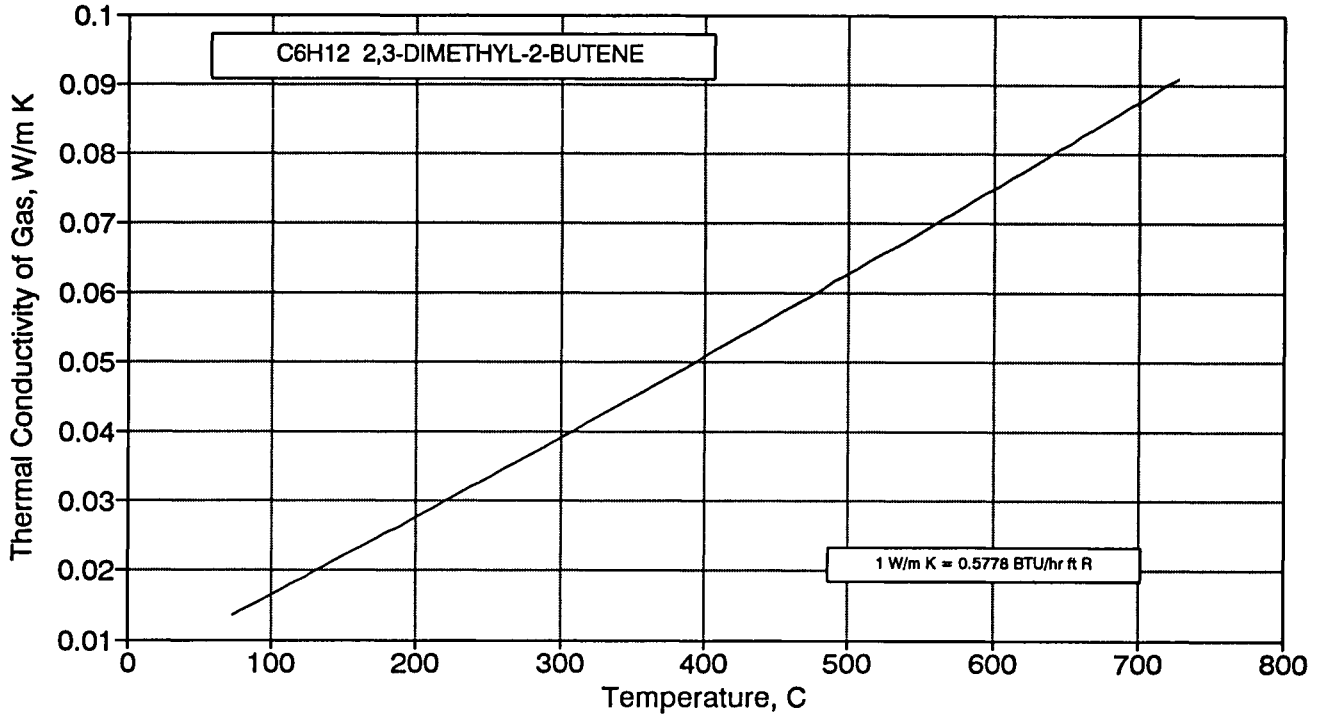

C6H11NO CYCLOHEXANONE OXIME
Thermal Conductivity of Liquid, W/m K
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
50
100
150
200
250
300
350
400
450
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

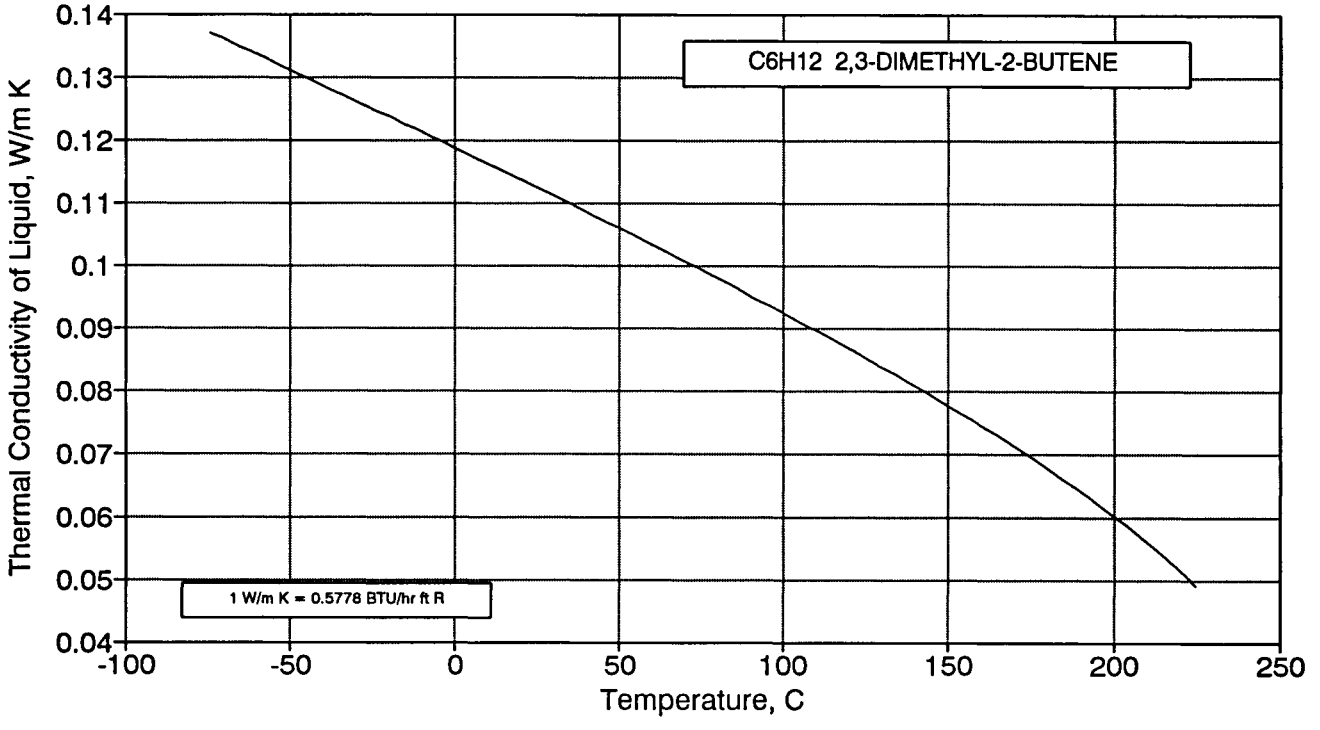

C6H12 CYCLOHEXANE
Thermal Conductivity of Gas, W/m K
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

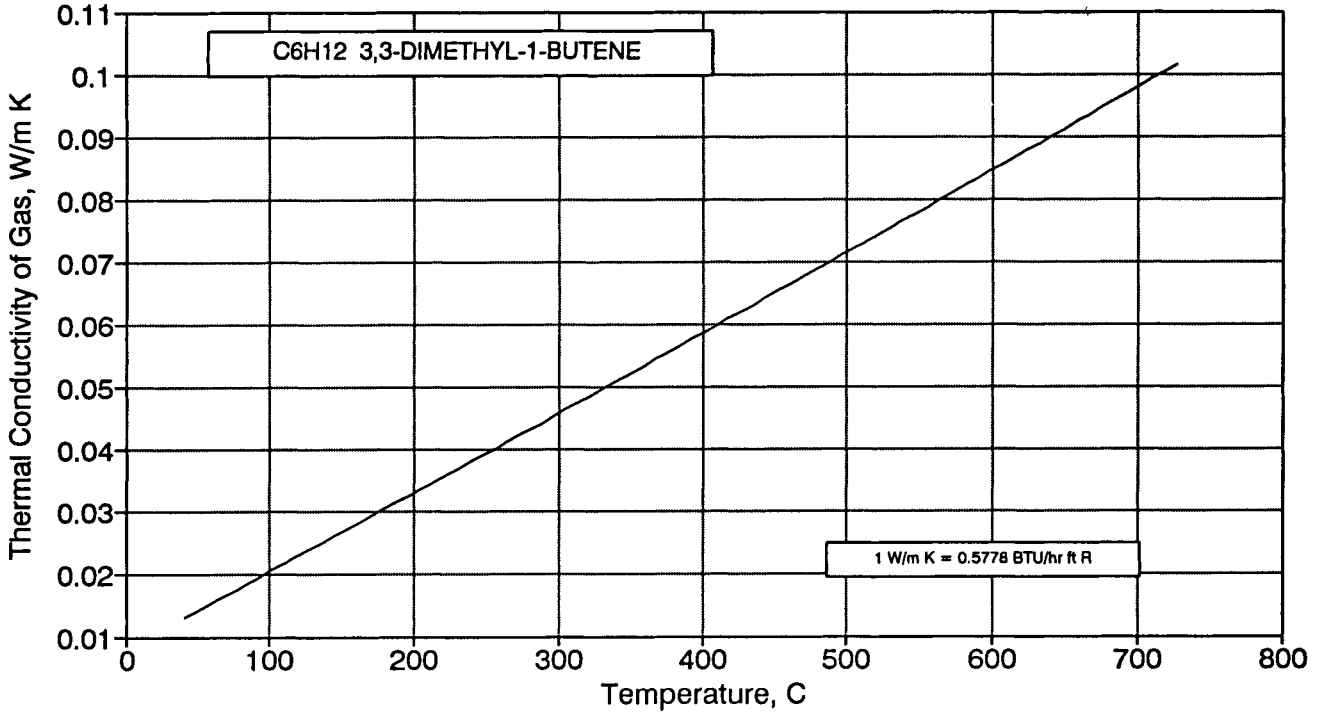

C6H12 CYCLOHEXANE
Thermal Conductivity of Liquid, W/m K
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

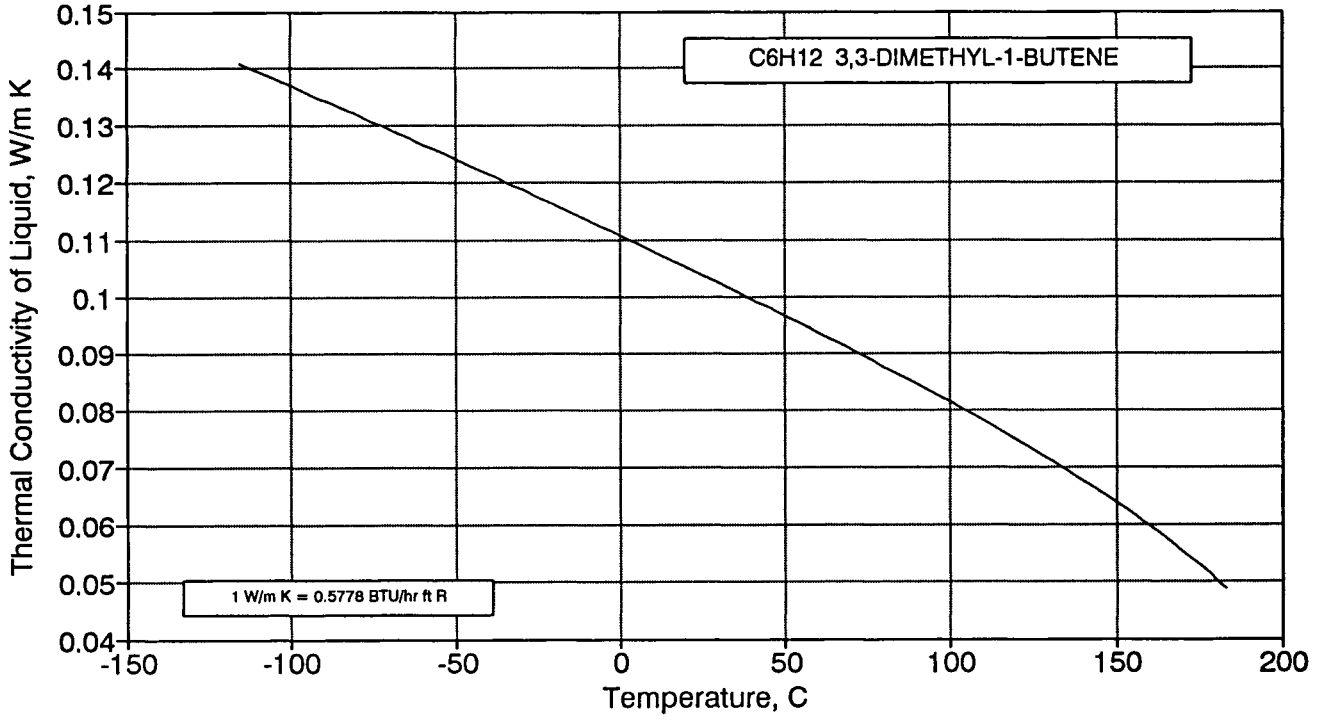

C6H12 2,3-DIMETHYL-1-BUTENE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

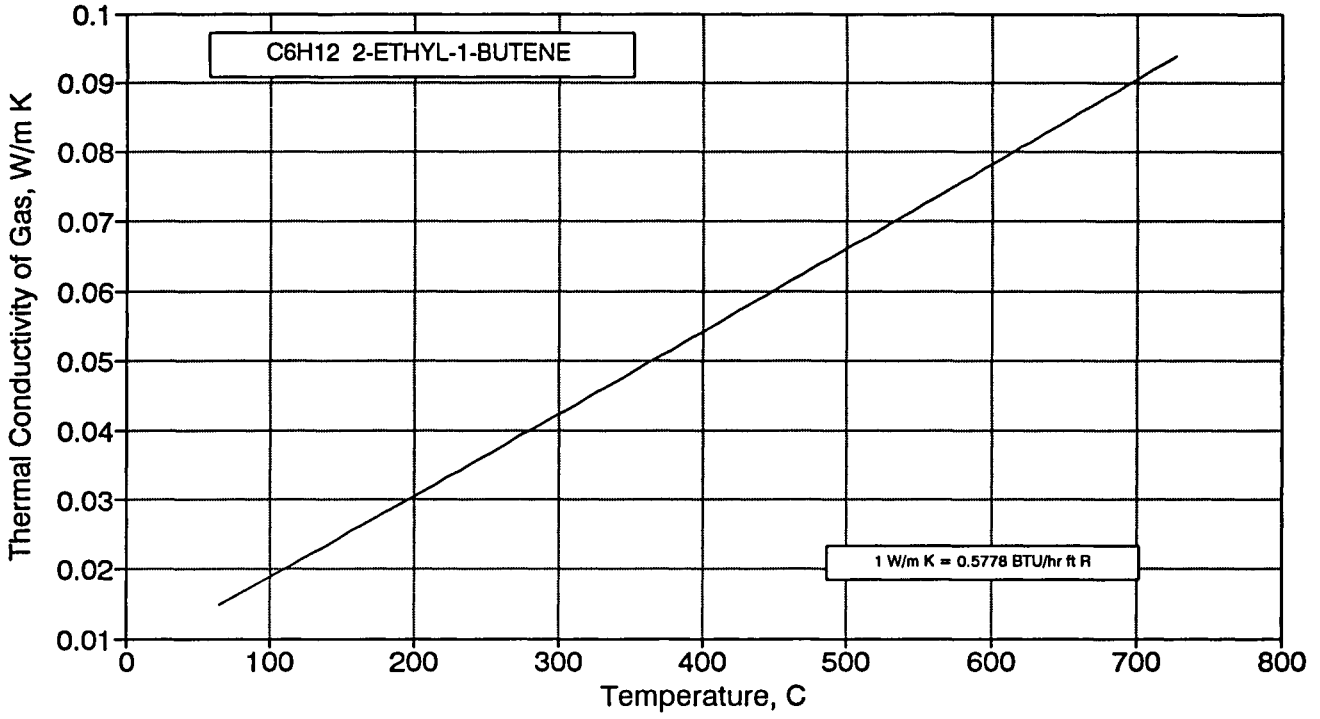

C6H12 2,3-DIMETHYL-1-BUTENE
Thermal Conductivity of Liquid, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-200
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

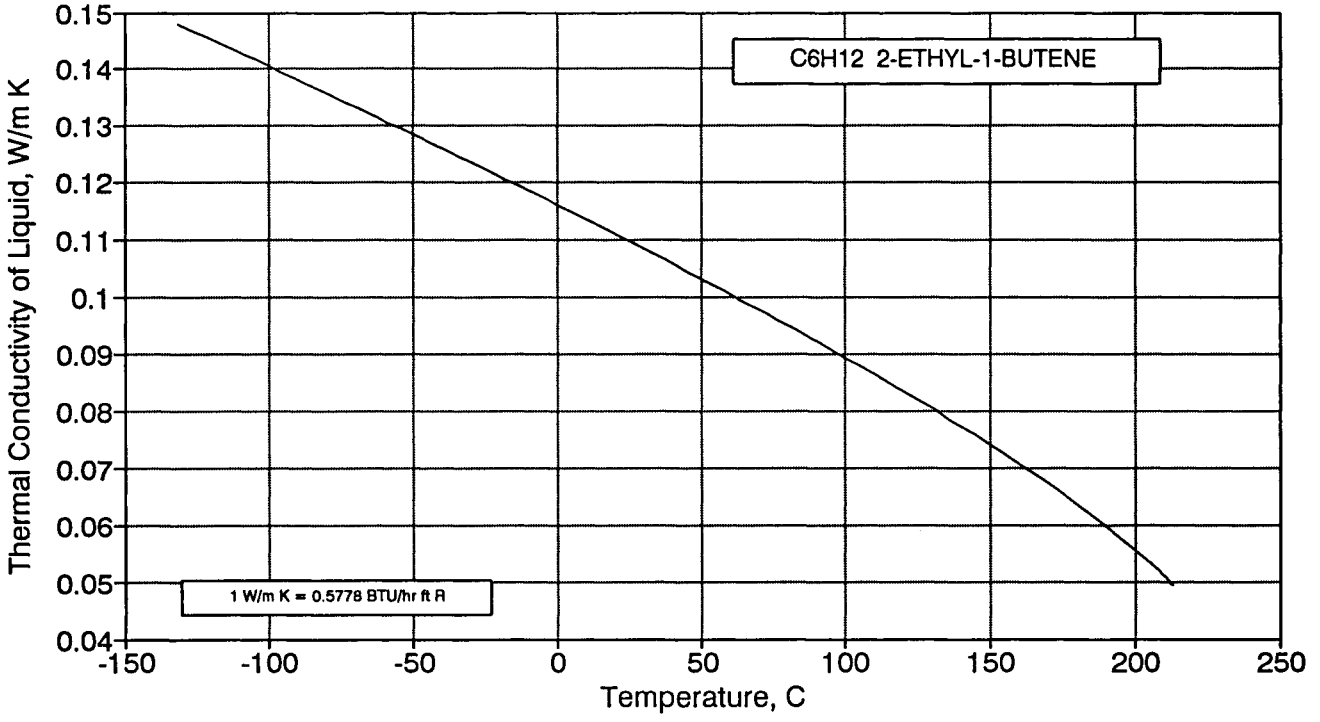

C6H12 2,3-DIMETHYL-2-BUTENE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

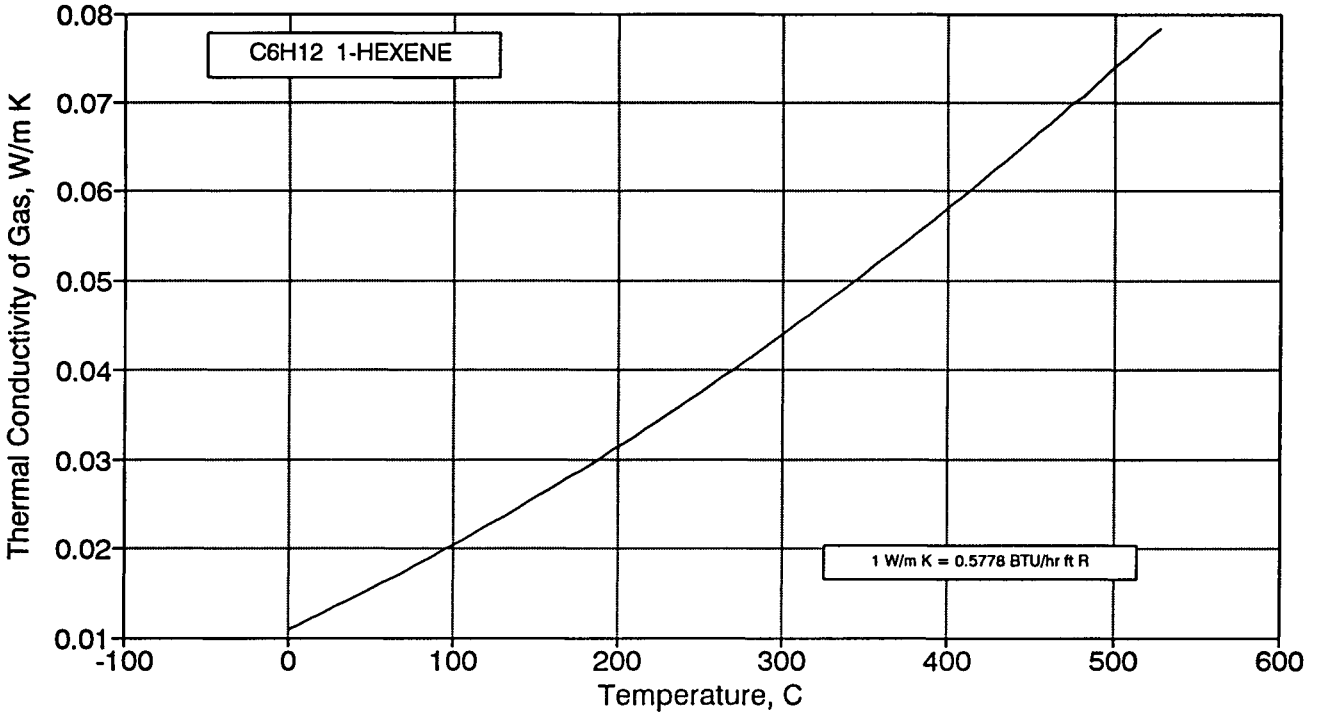

C6H12 2,3-DIMETHYL-2-BUTENE
Thermal Conductivity of Liquid, W/m K
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

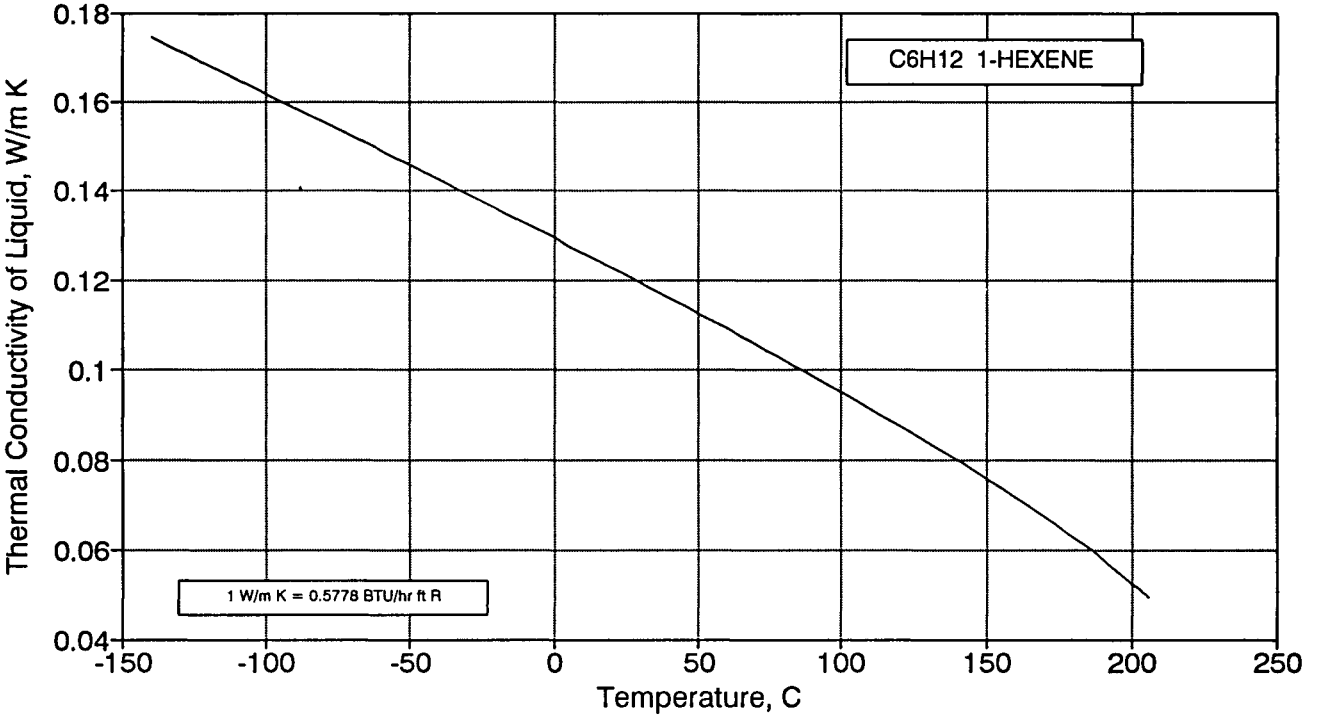

C6H12 3,3-DIMETHYL-1-BUTENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800

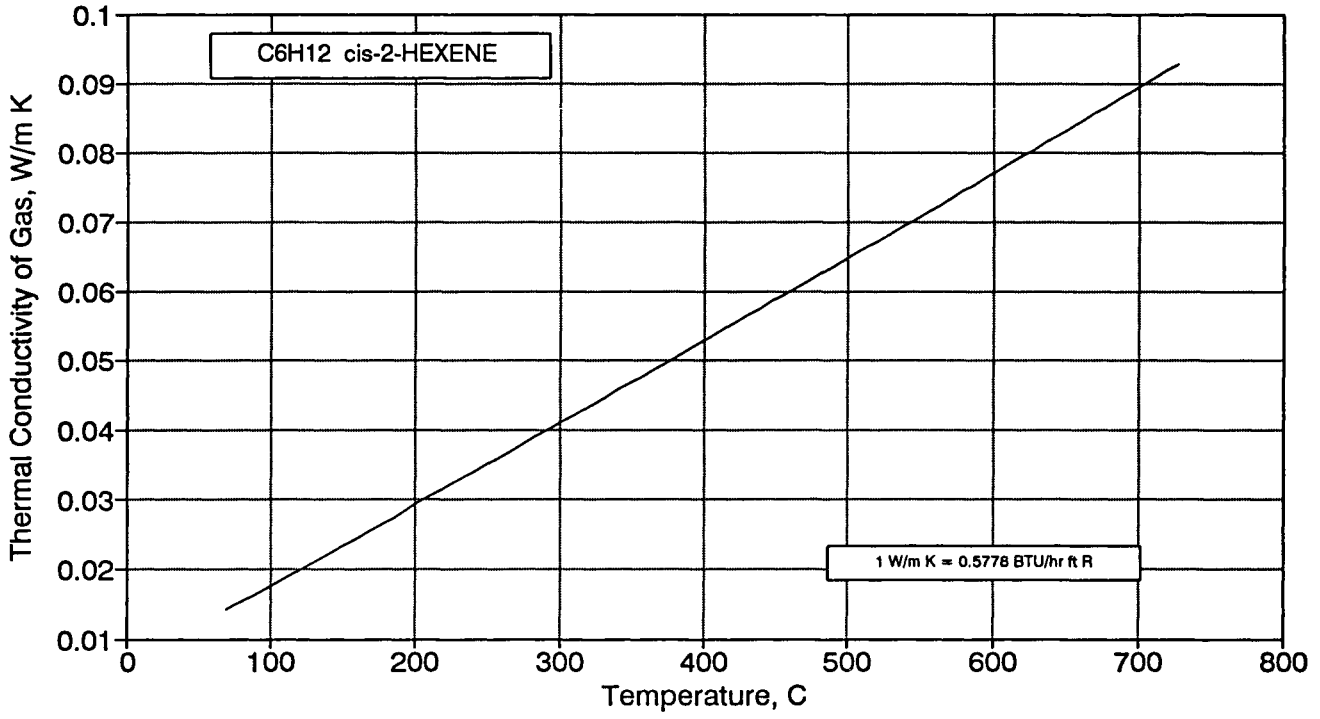

C6H12 3,3-DIMETHYL-1-BUTENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-150
-100
-50
0
50
100
150
200

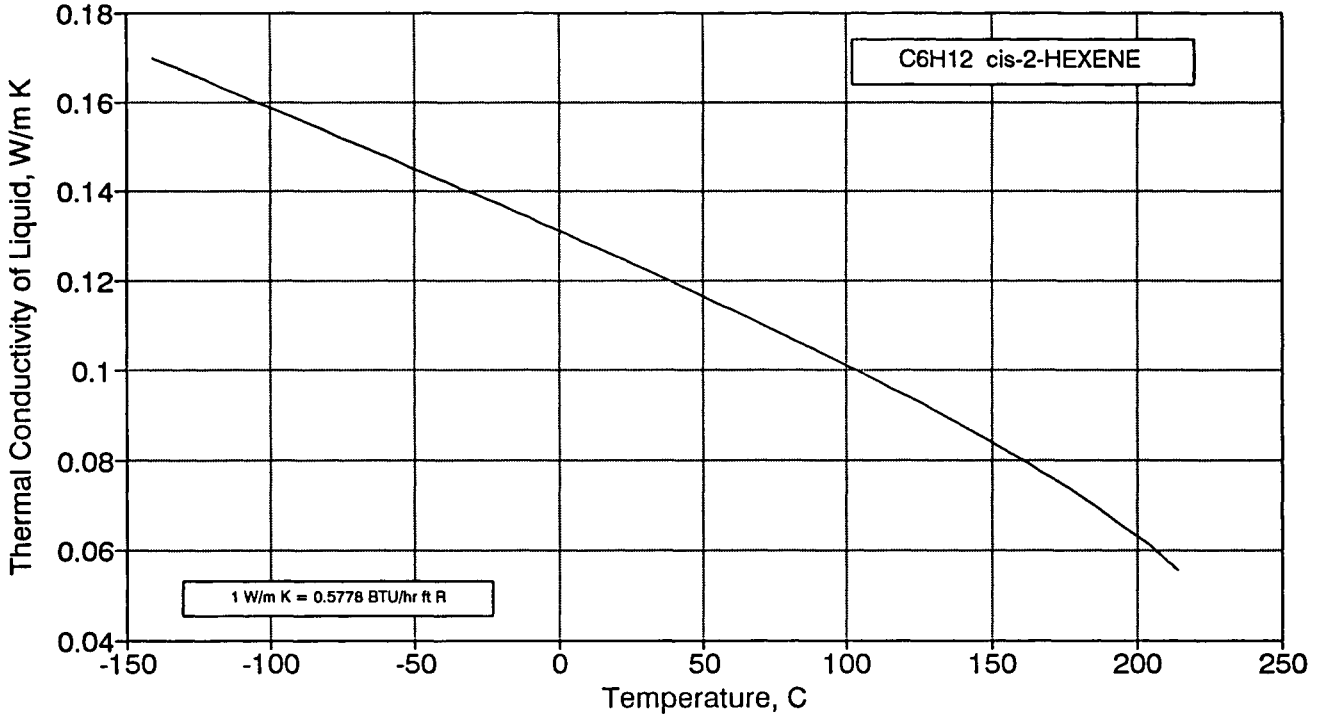

C6H12 2-ETHYL-1-BUTENE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

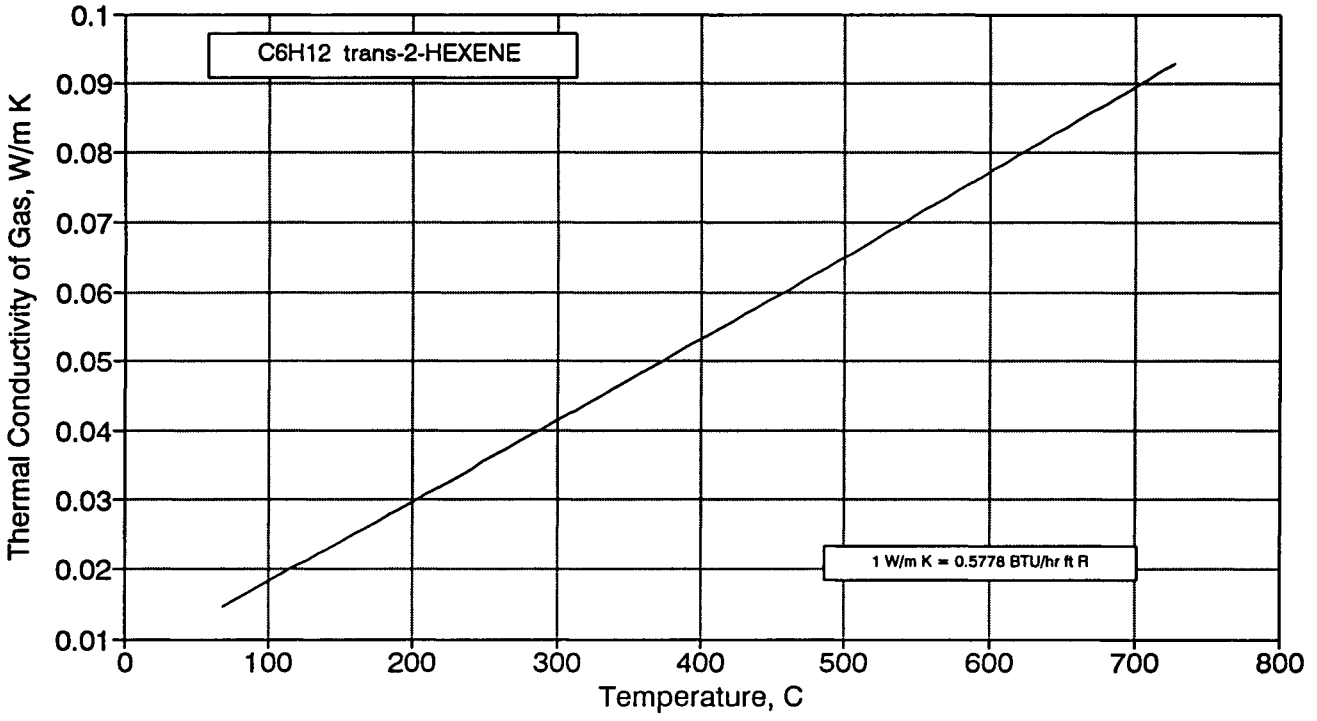

C6H12 2-ETHYL-1-BUTENE
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

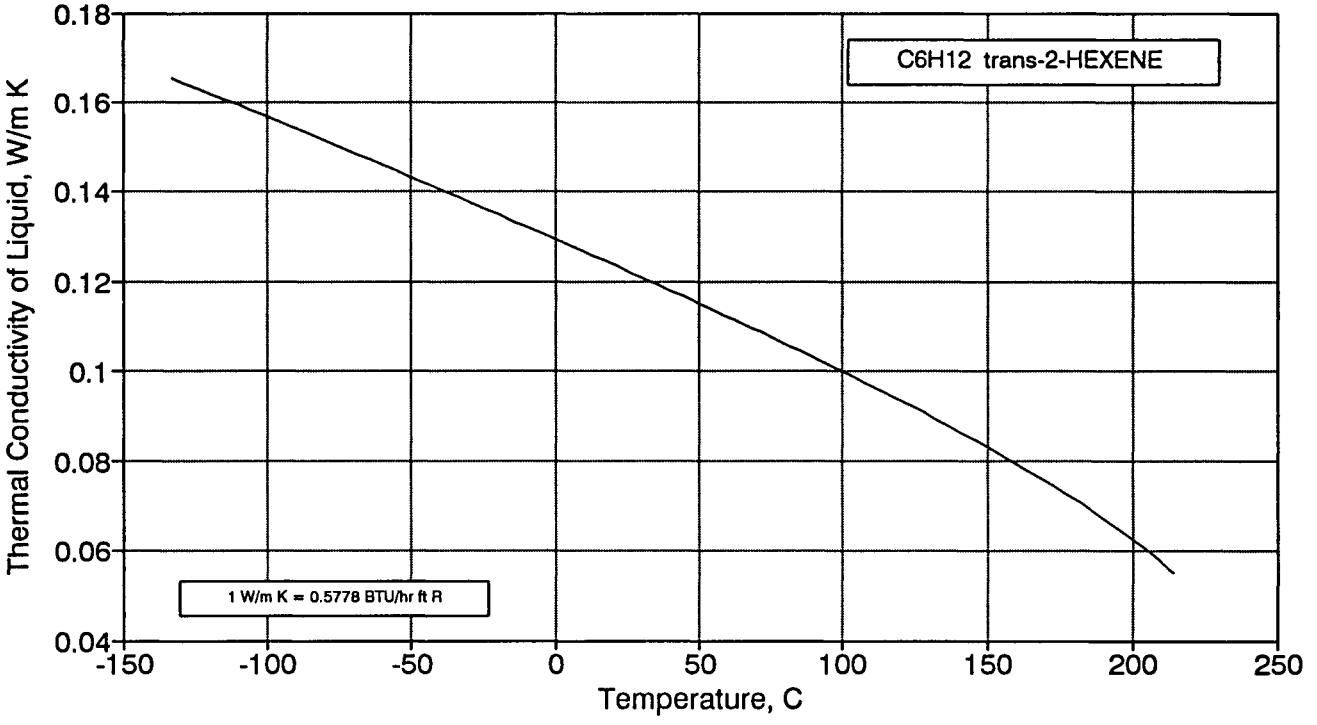

C6H12 1-HEXENE
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
-100
0
100
200
300
400
500
600
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

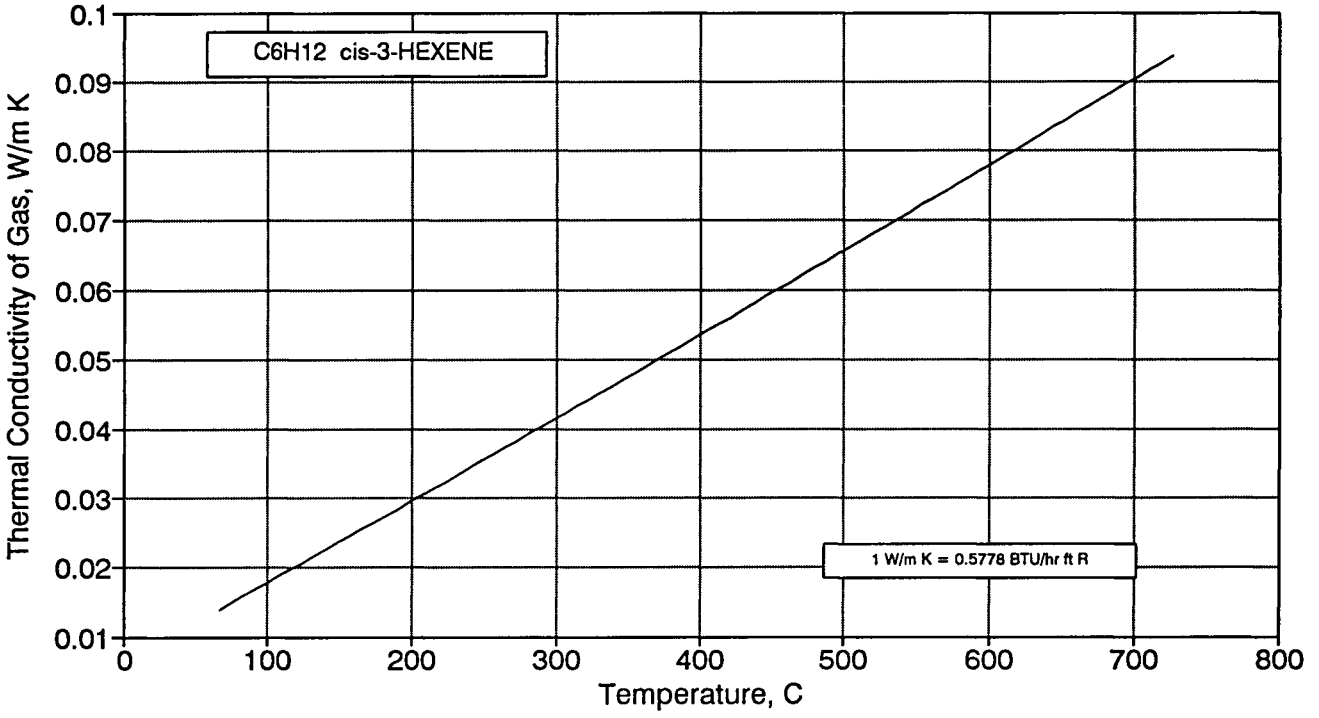

C6H12 1-HEXENE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

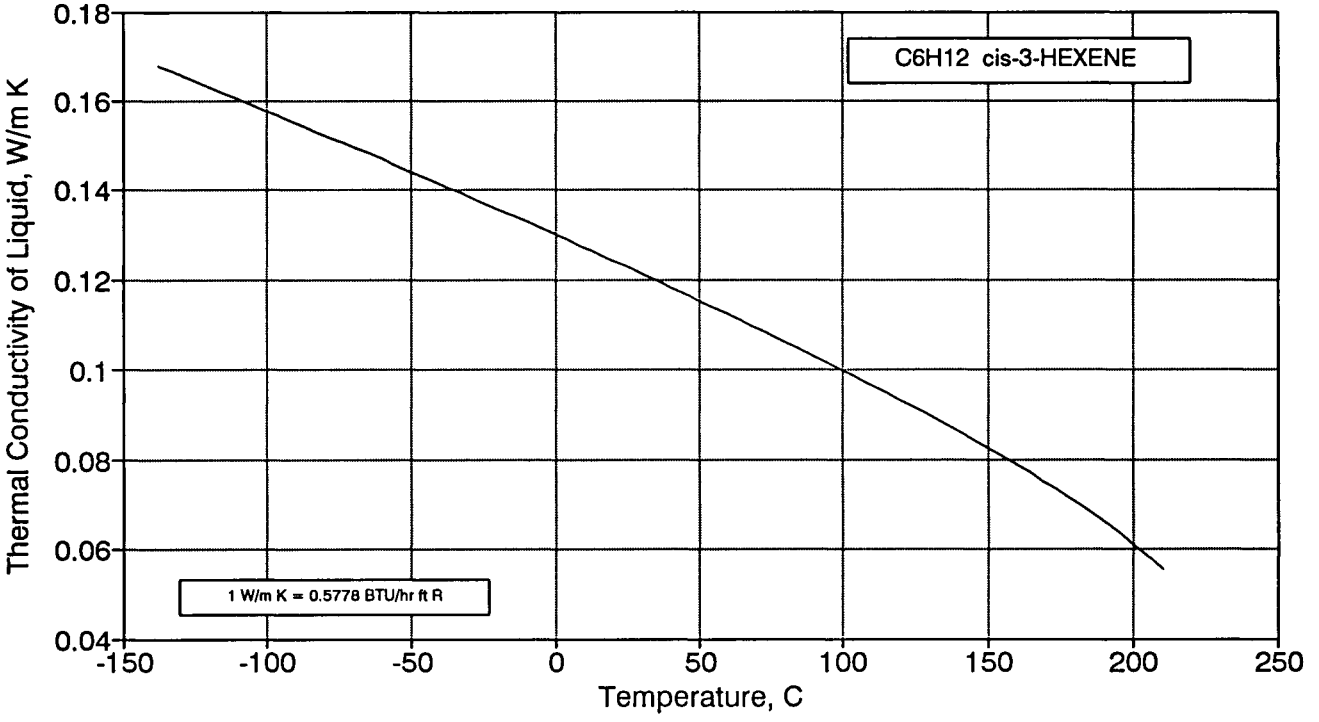

C6H12 cis-2-HEXENE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

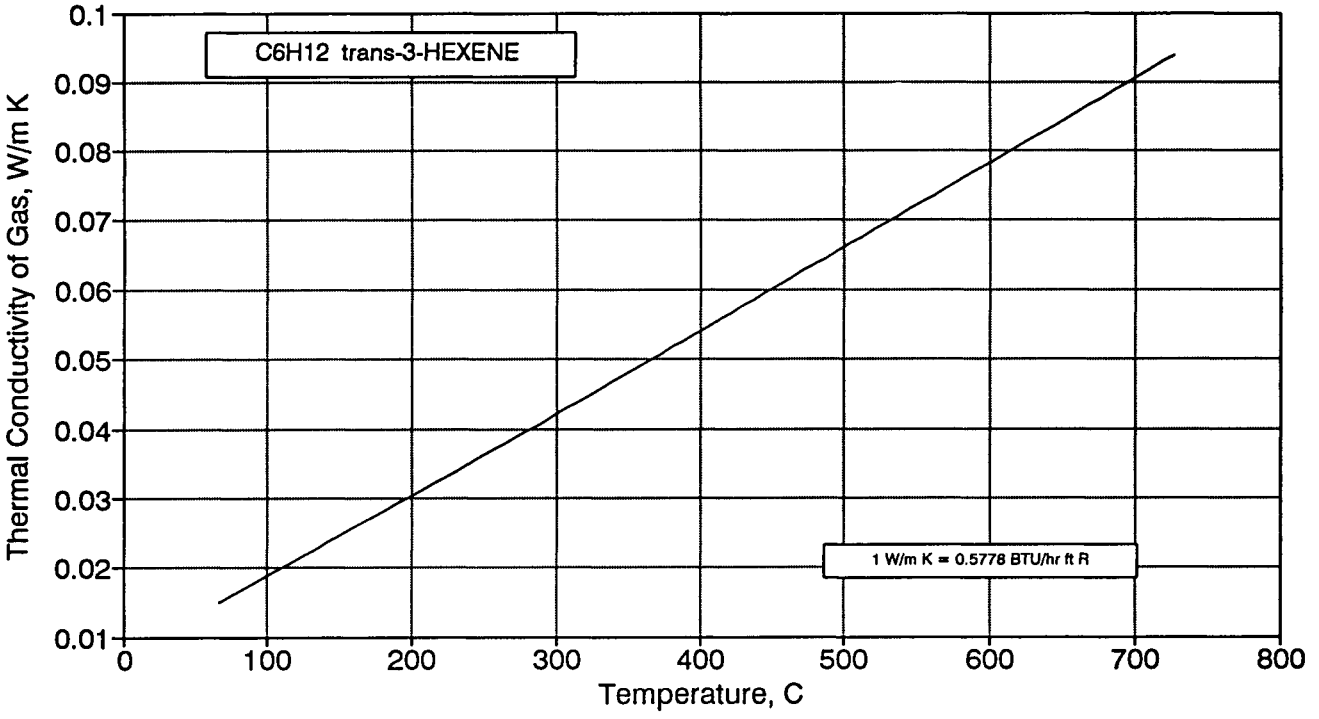

C6H12 cis-2-HEXENE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

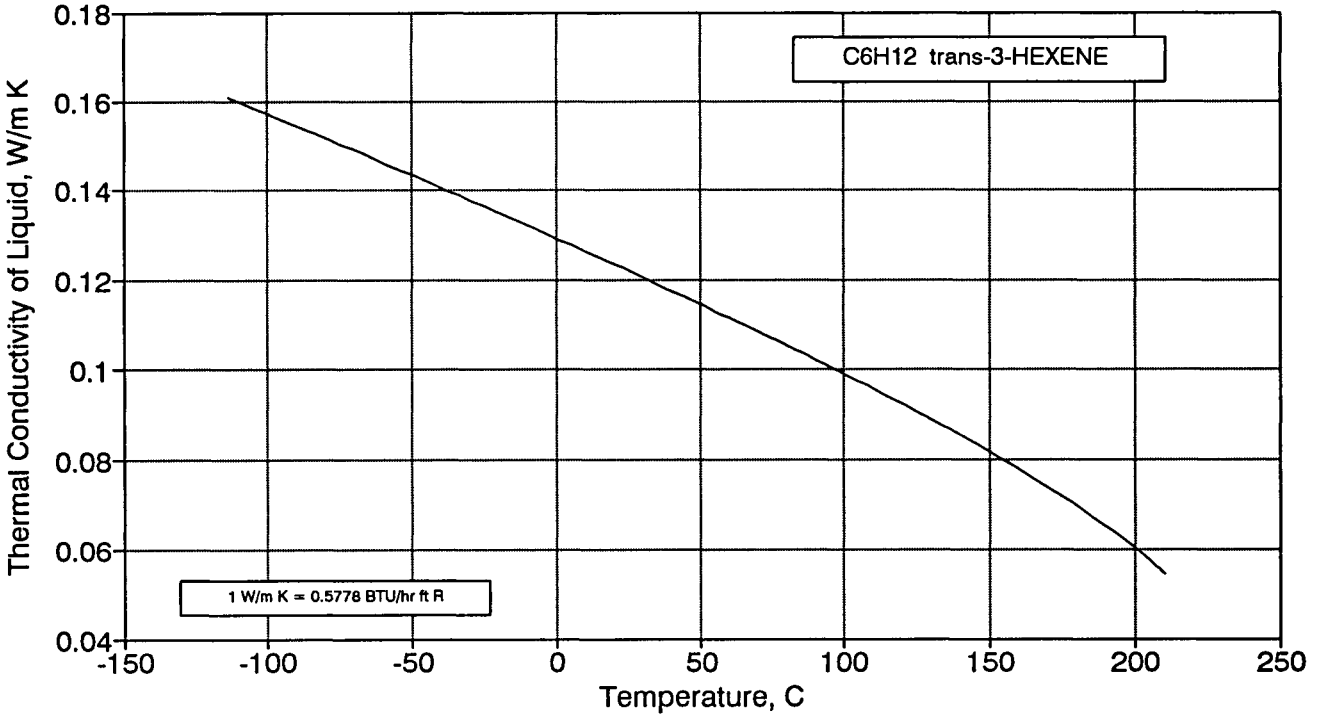

C6H12 trans-2-HEXENE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

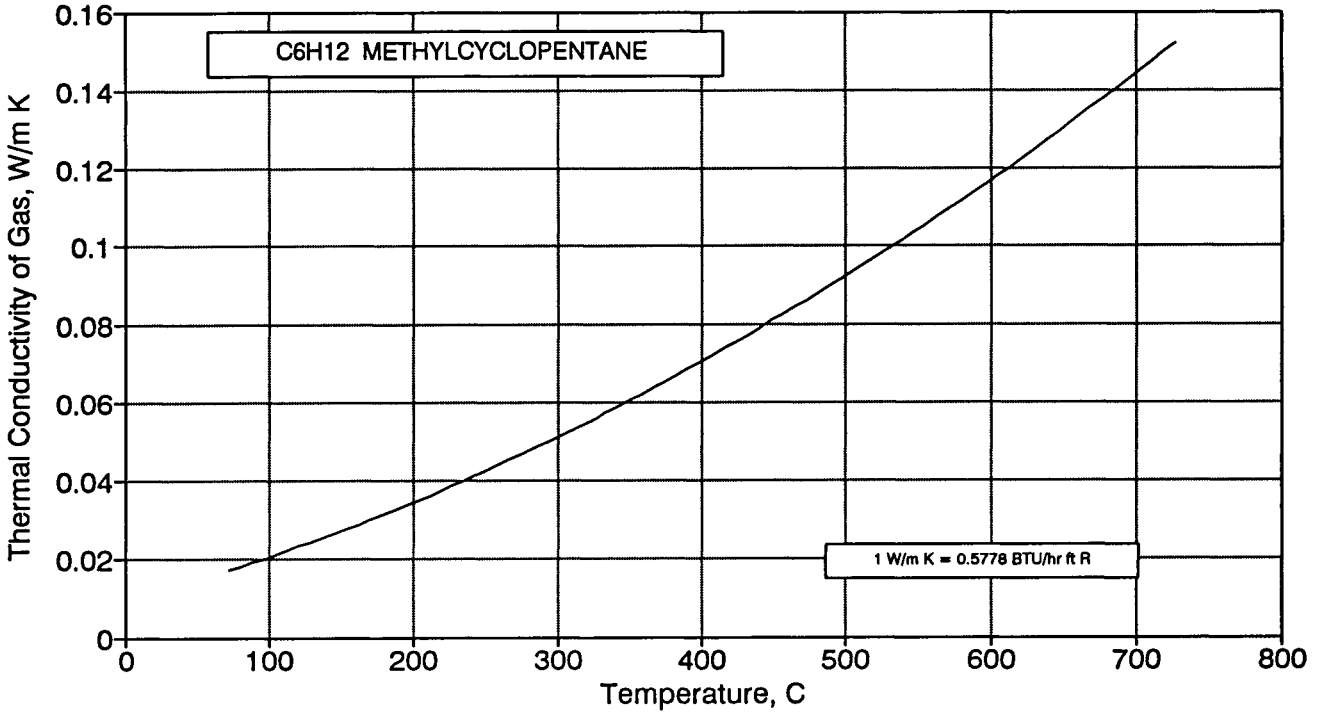

C6H12 trans-2-HEXENE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

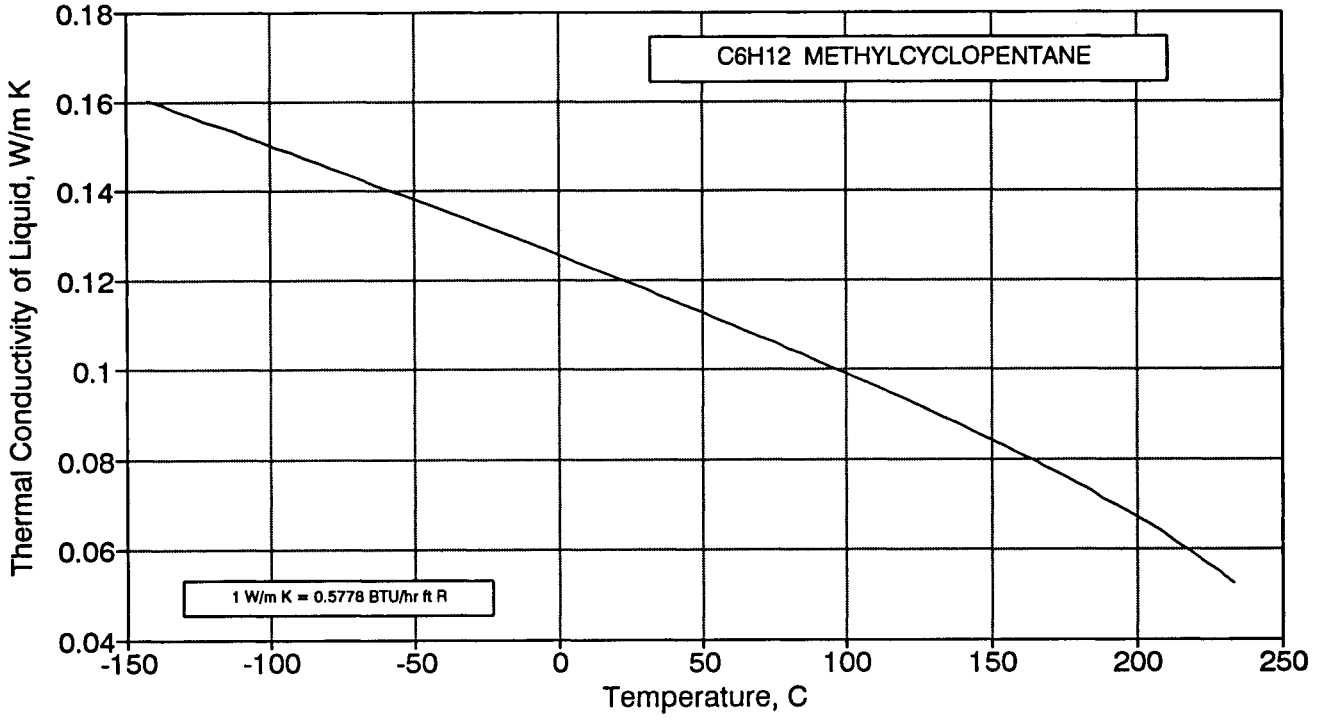

C6H12 cis-3-HEXENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800

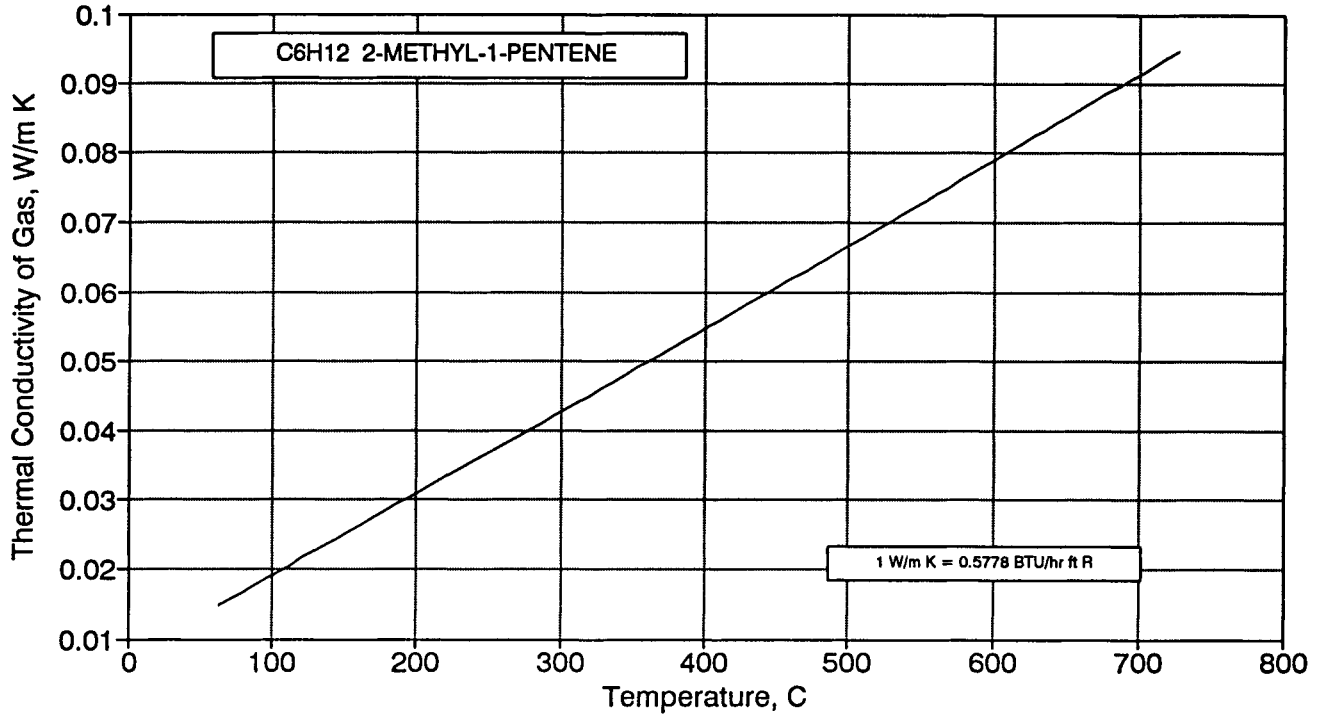

C6H12 cis-3-HEXENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250

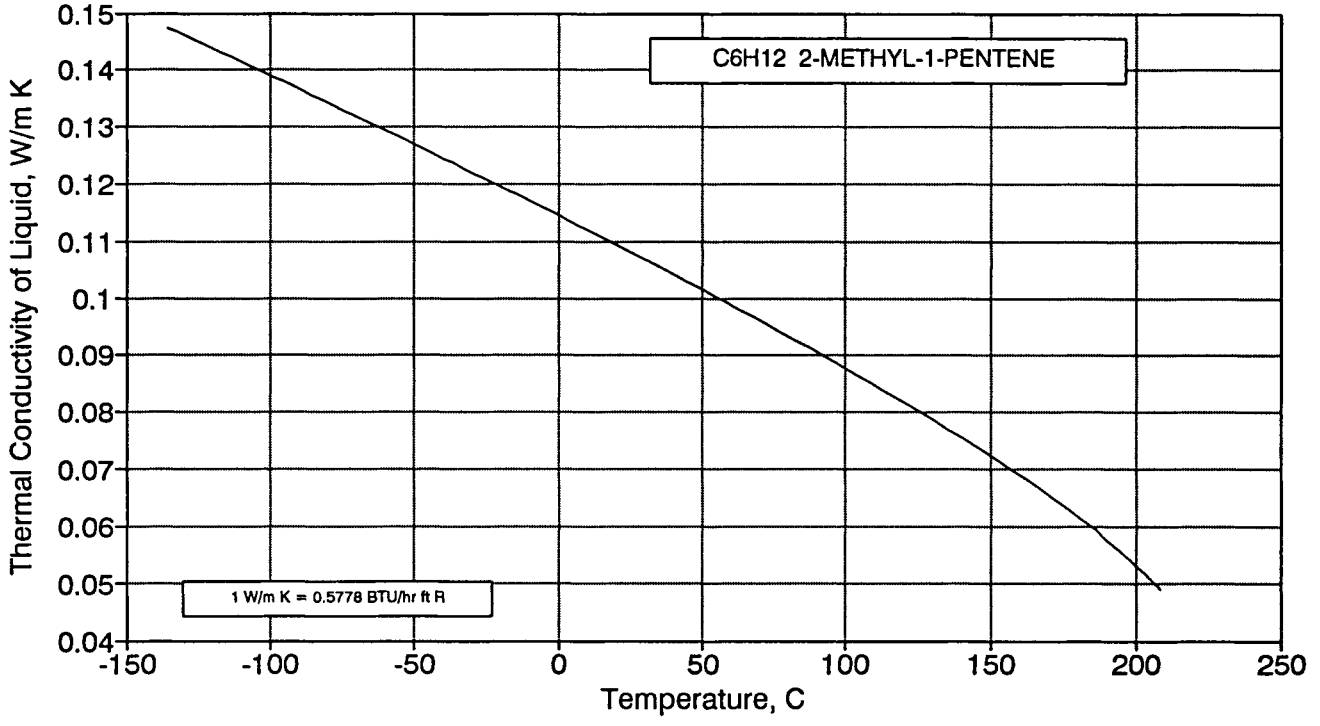

C6H12 trans-3-HEXENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800

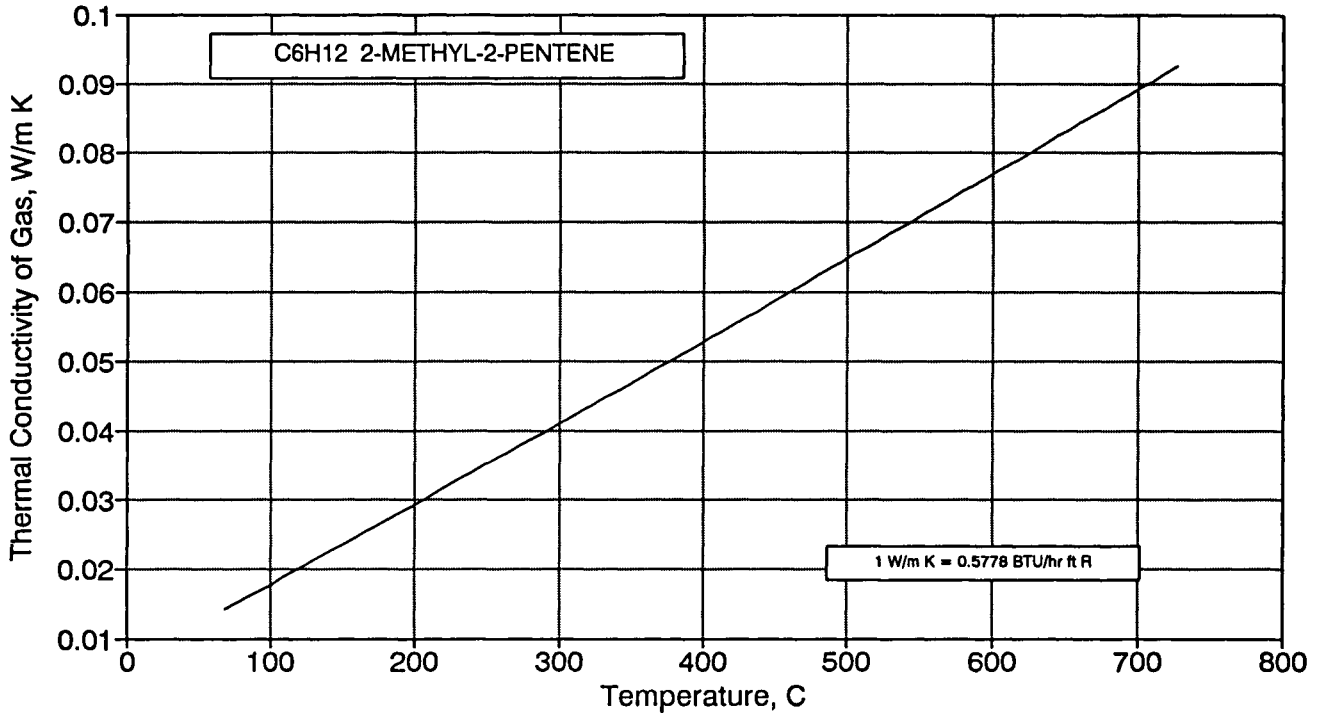

C6H12 trans-3-HEXENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250

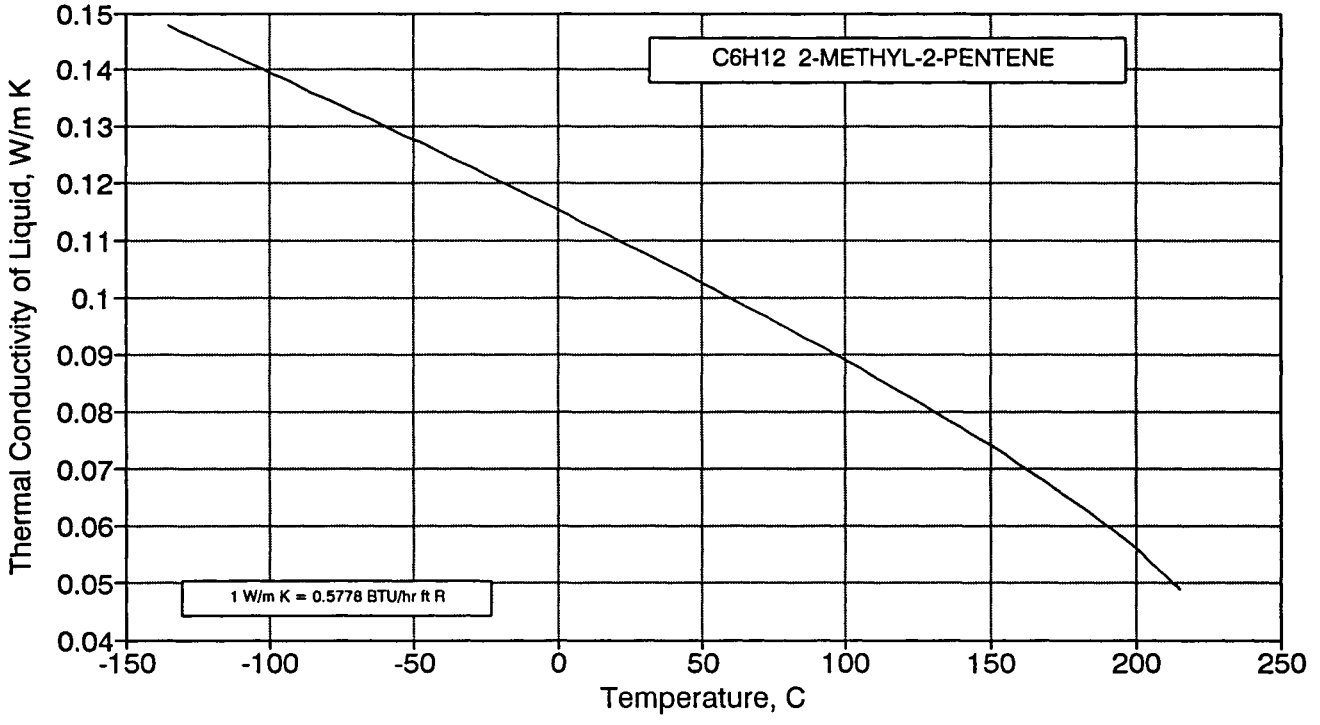

C6H12 METHYLCYCLOPENTANE
Thermal Conductivity of Gas, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

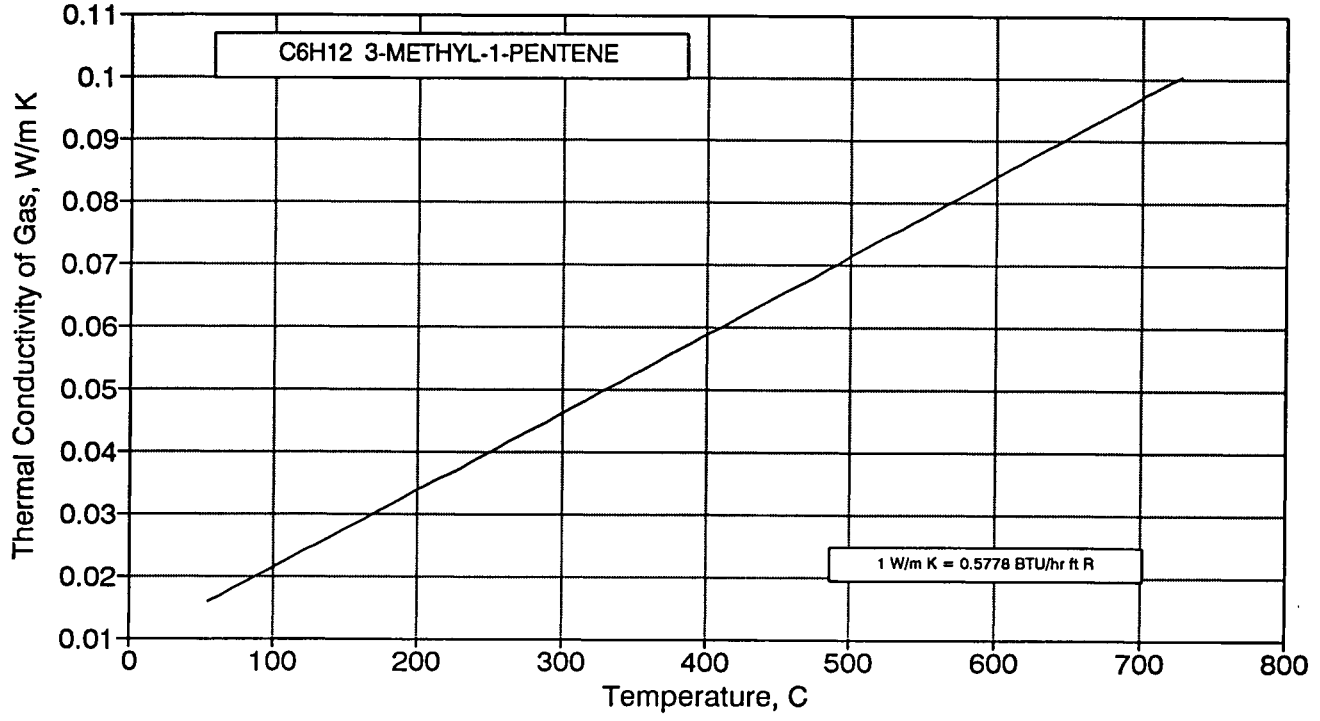

C6H12 METHYLCYCLOPENTANE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

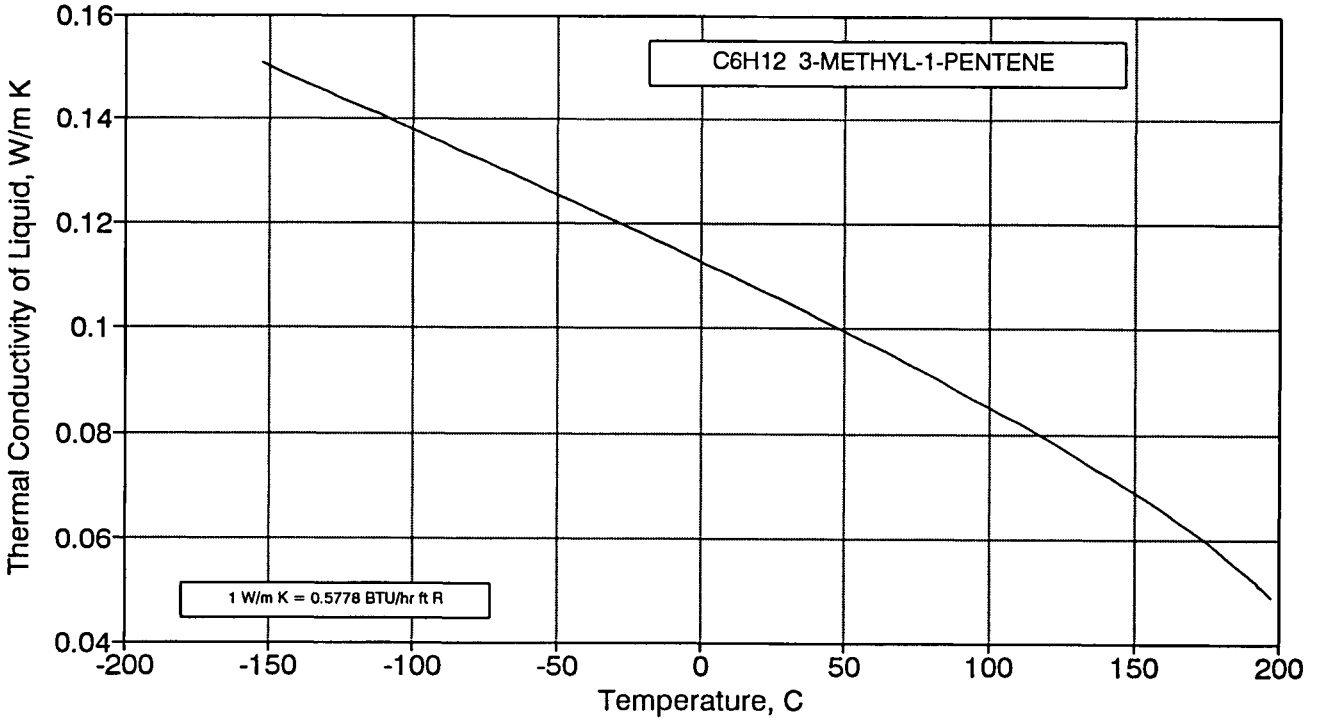

C6H12 2-METHYL-1-PENTENE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

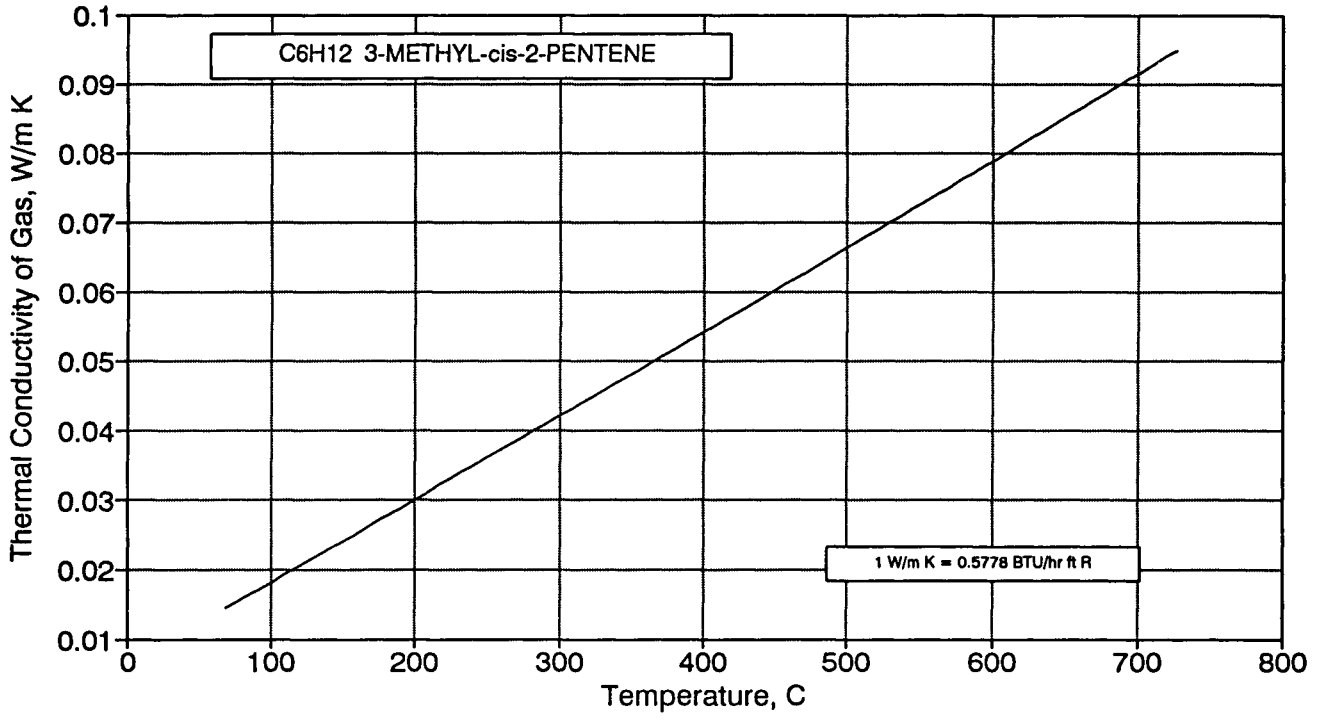

C6H12 2-METHYL-1-PENTENE
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

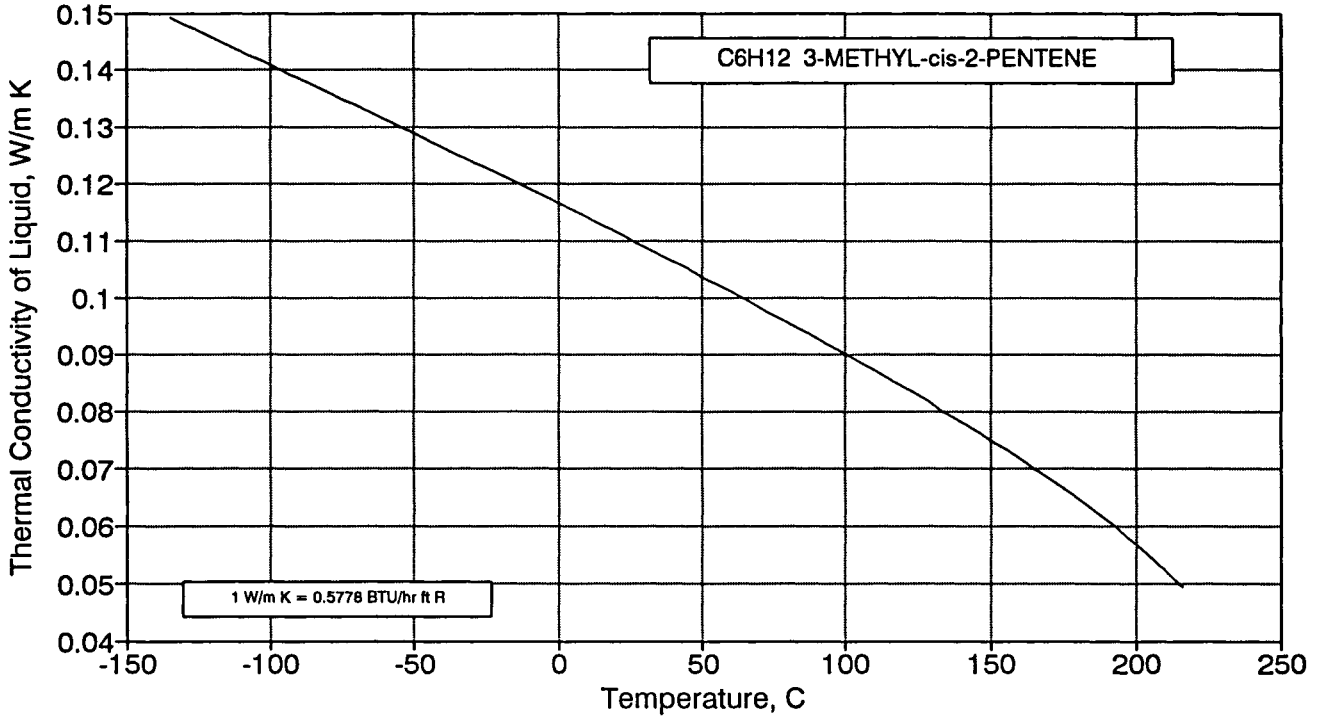

C6H12 2-METHYL-2-PENTENE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

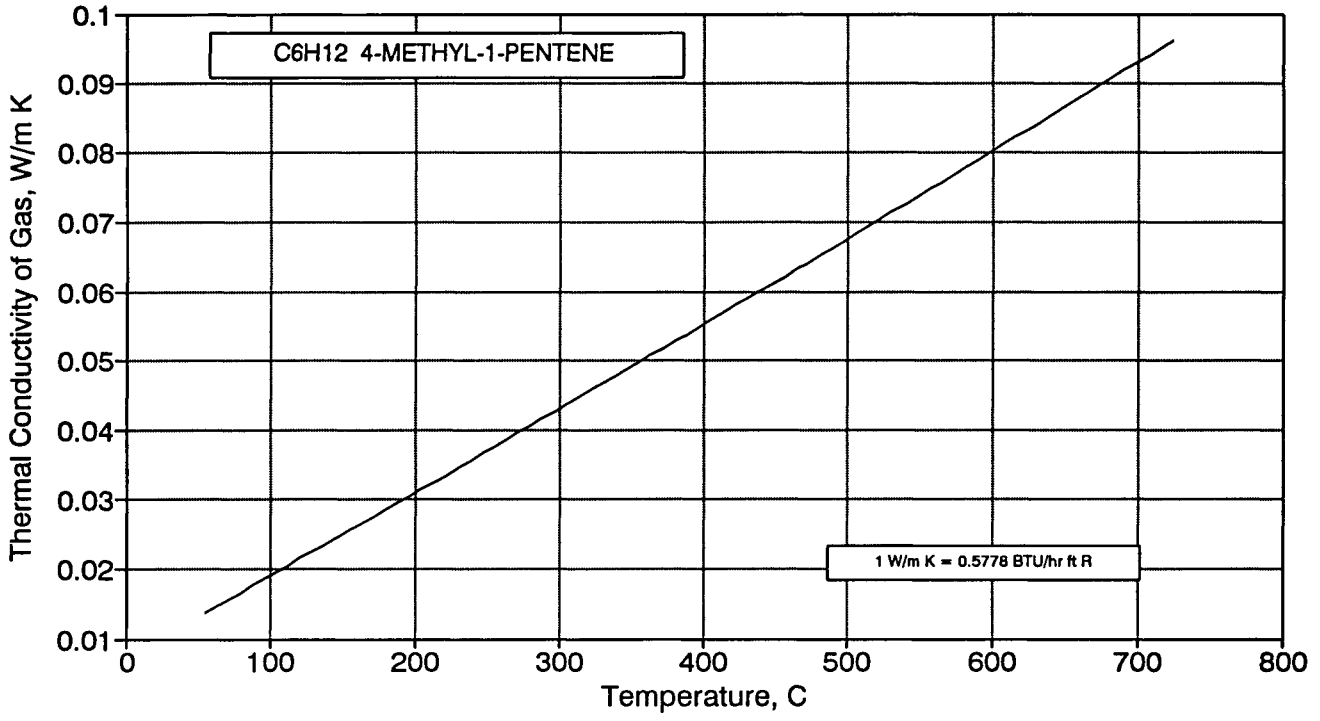

C6H12 2-METHYL-2-PENTENE
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

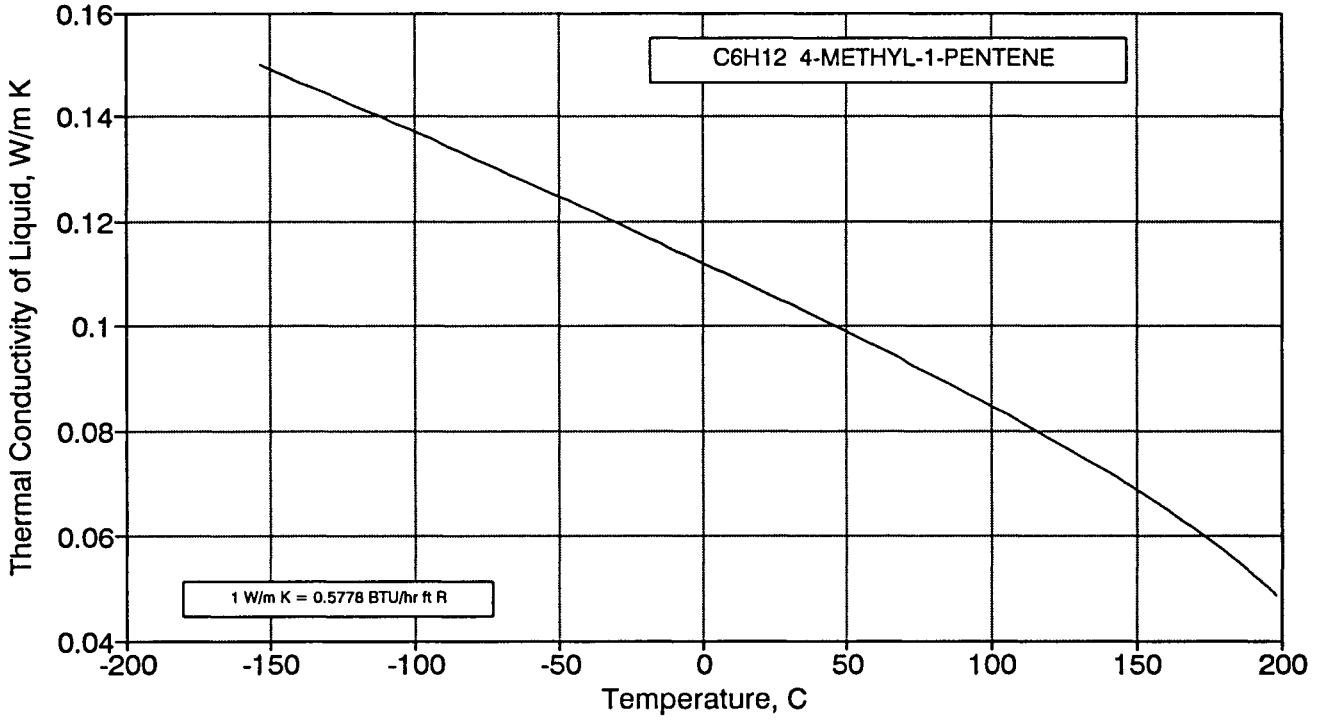

C6H12 3-METHYL-1-PENTENE
Thermal Conductivity of Gas, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

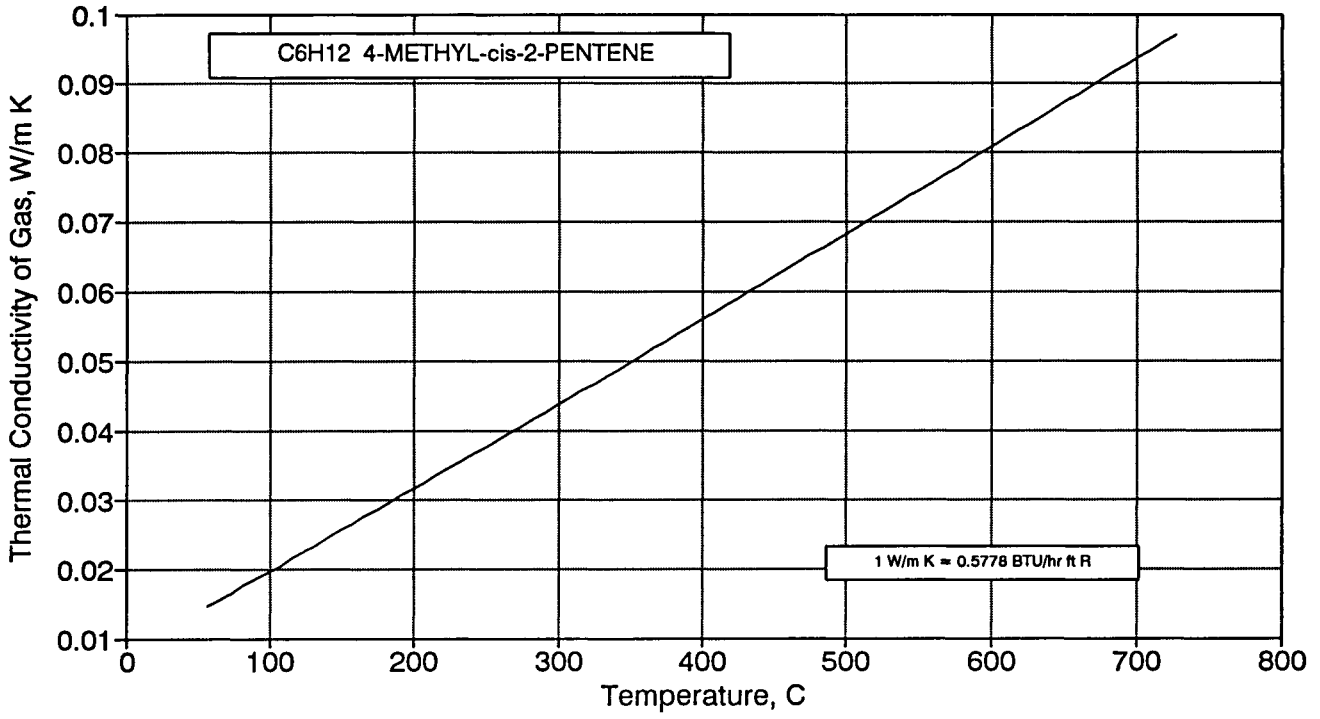

C6H12 3-METHYL-1-PENTENE
Thermal Conductivity of Liquid, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-200
-150
-100
-50
0
50
100
150
200
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

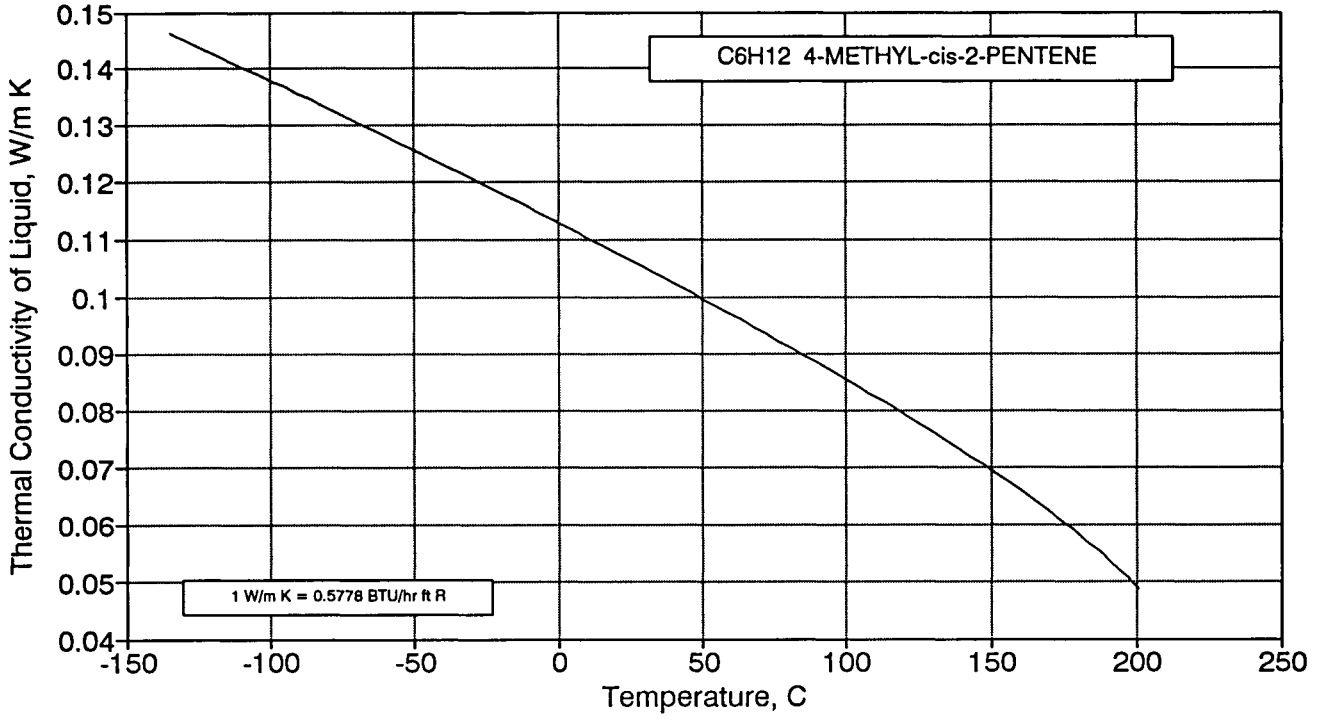

C6H12 3-METHYL-cis-2-PENTENE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

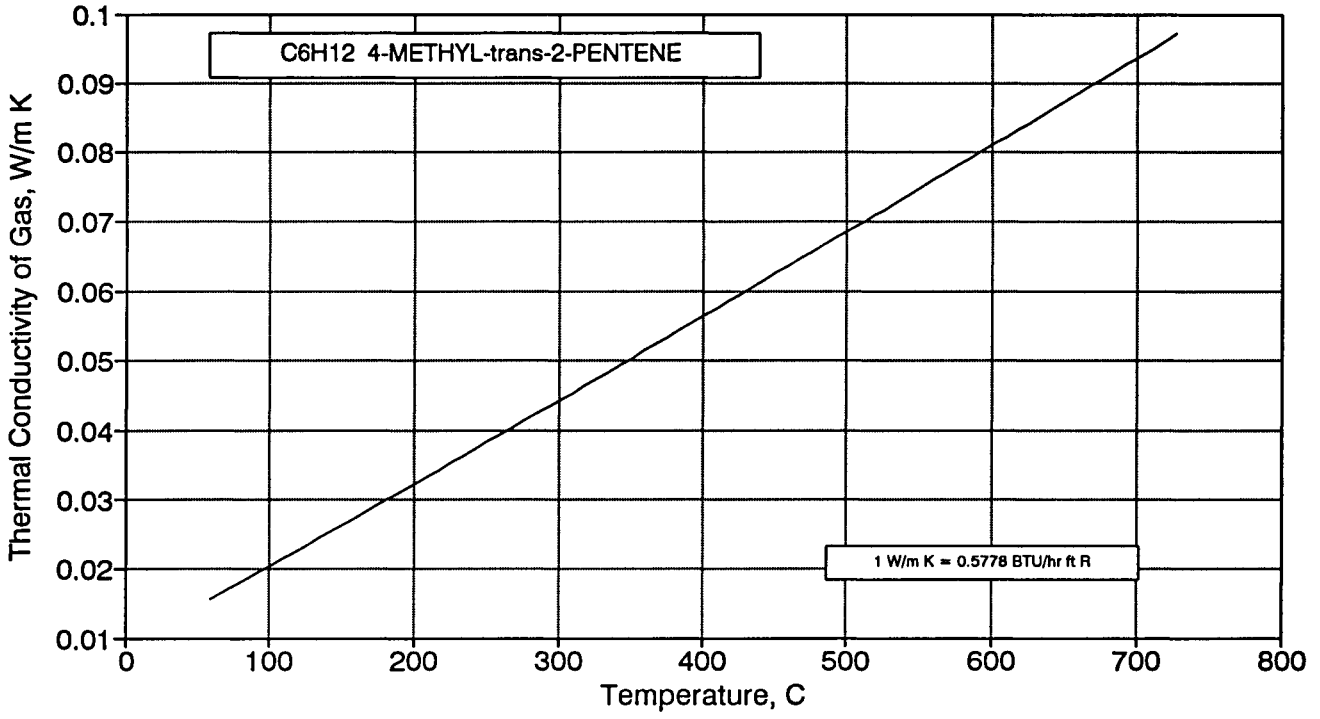

C6H12 3-METHYL-cis-2-PENTENE
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

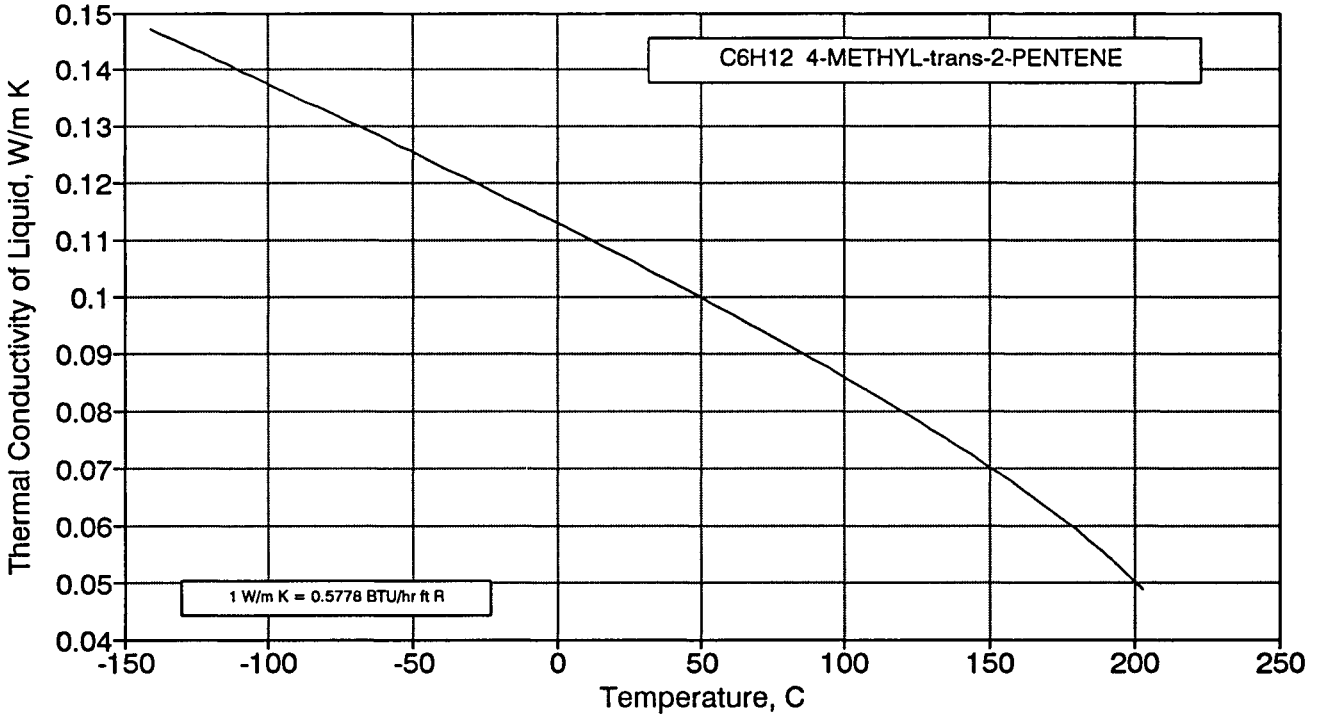

C6H12 4-METHYL-1-PENTENE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H12 4-METHYL-1-PENTENE
Thermal Conductivity of Liquid, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-200
-150
-100
-50
0
50
100
150
200
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H12 4-METHYL-cis-2-PENTENE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H12 4-METHYL-cis-2-PENTENE
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H12 4-METHYL-trans-2-PENTENE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

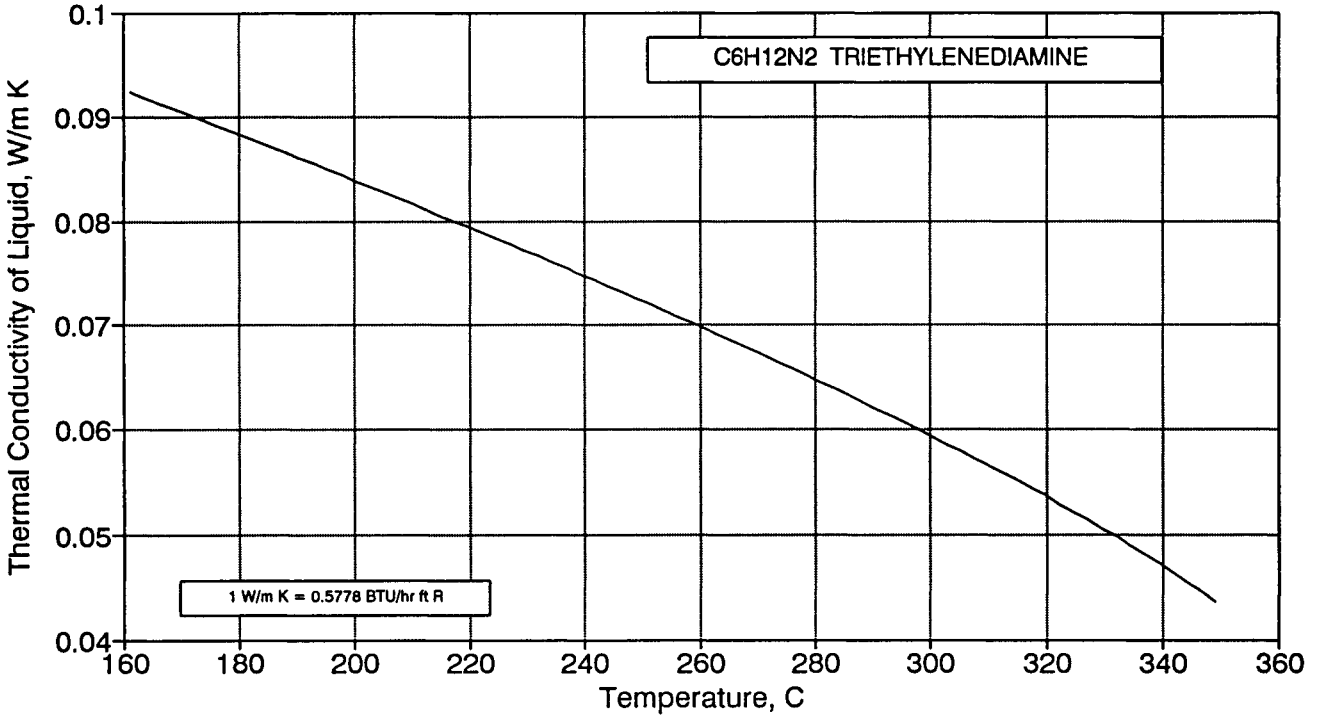

C6H12 4-METHYL-trans-2-PENTENE
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

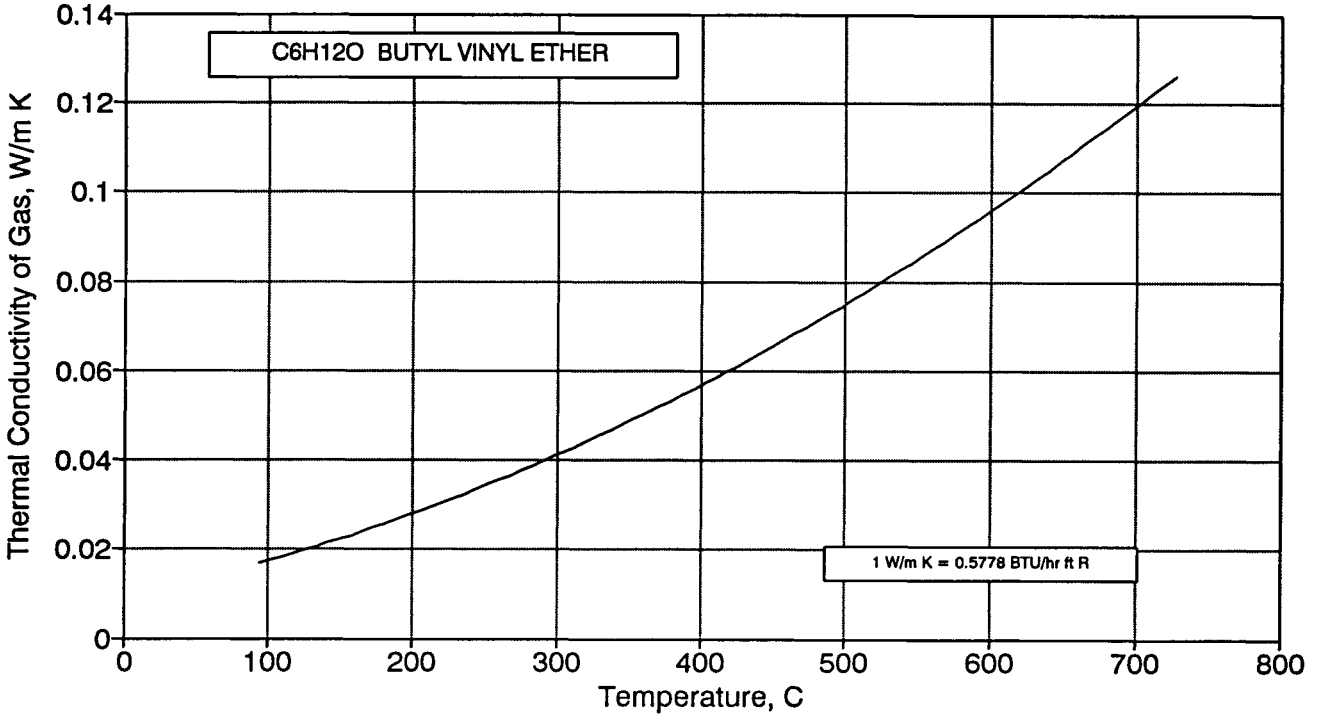
C6H12N2 TRIETHYLENEDIAMINE

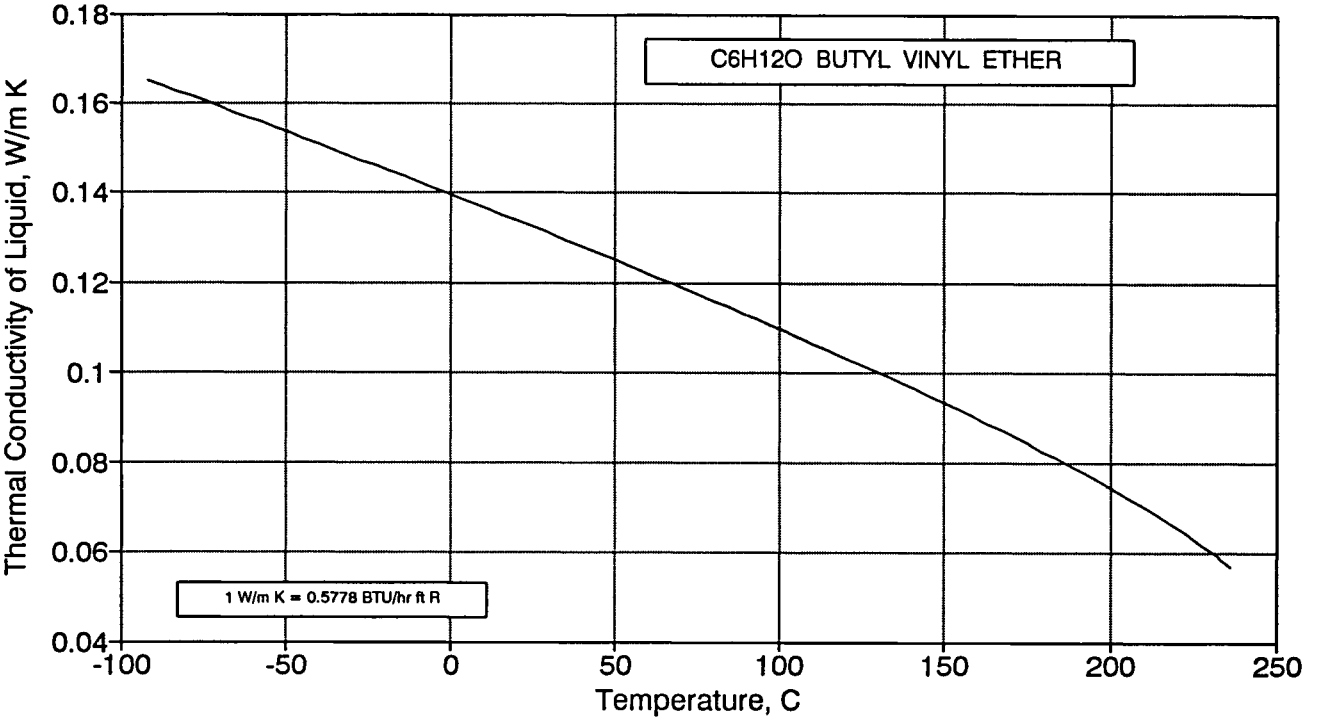
Gas thermal conductivity data are not available .

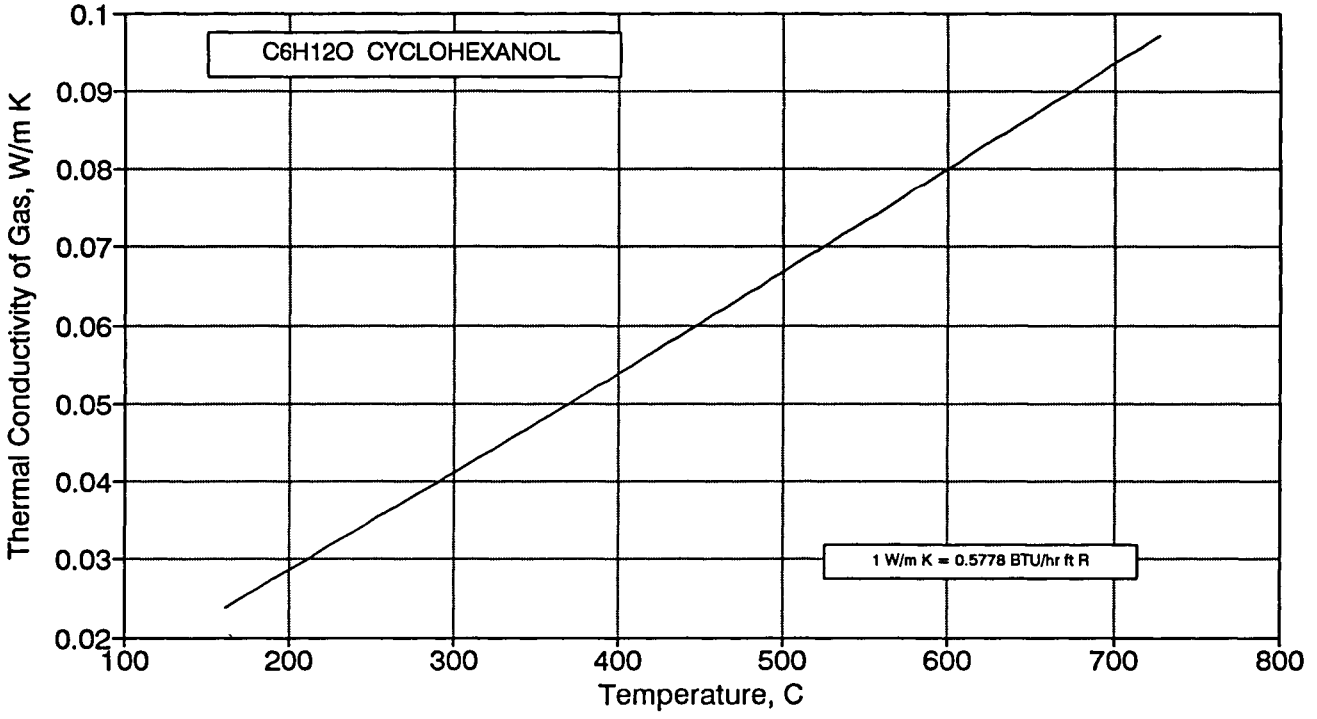
TF , K = 434.25

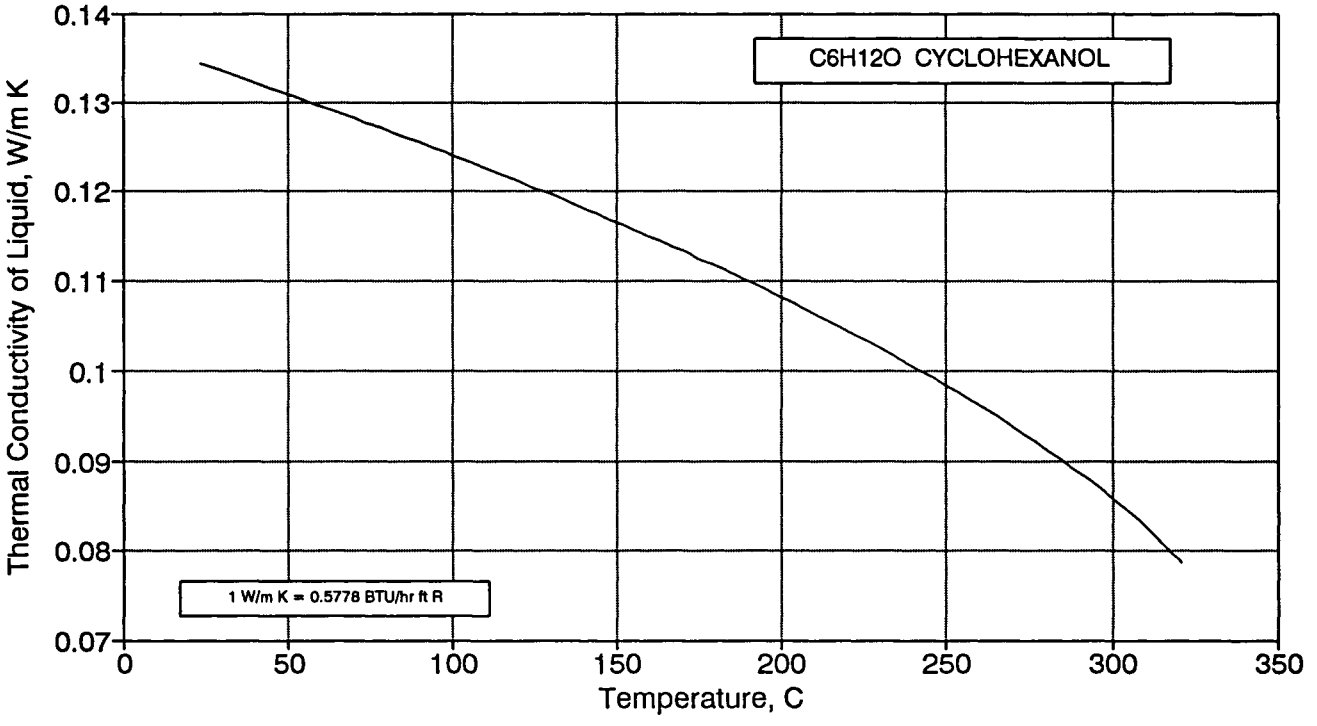
TB , K = 447.15

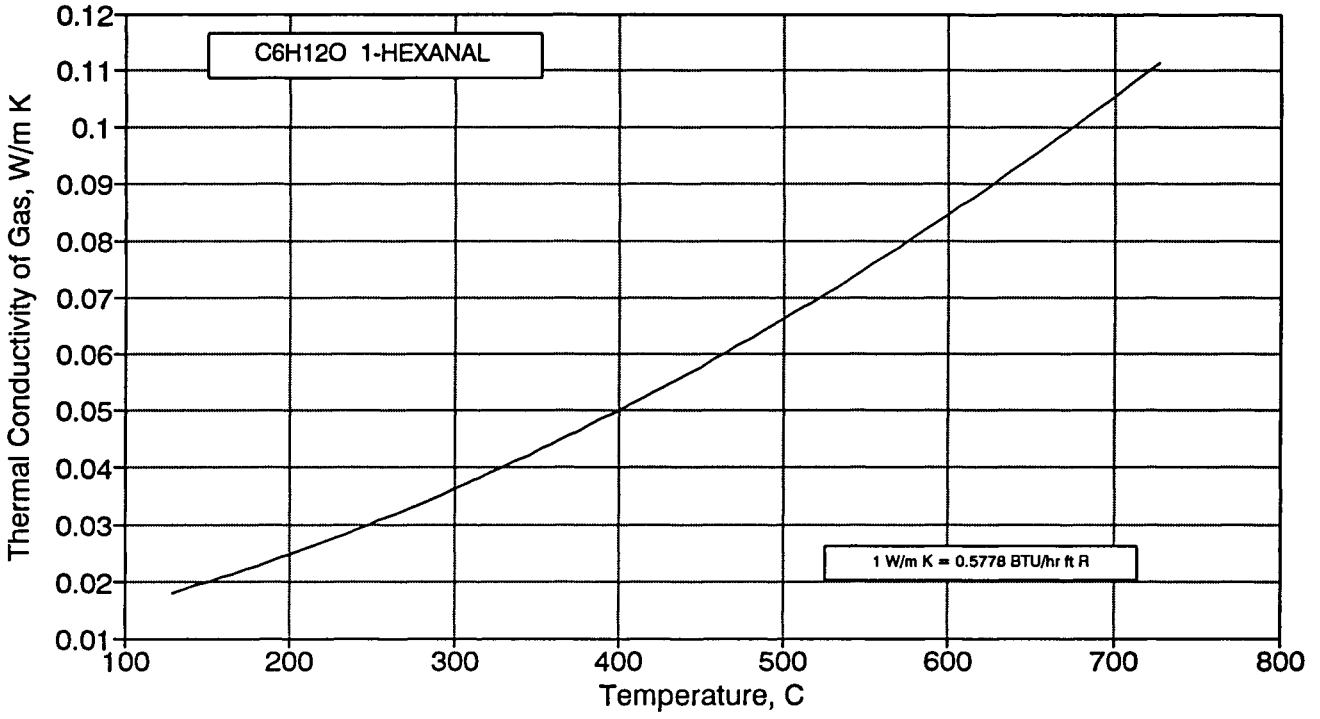


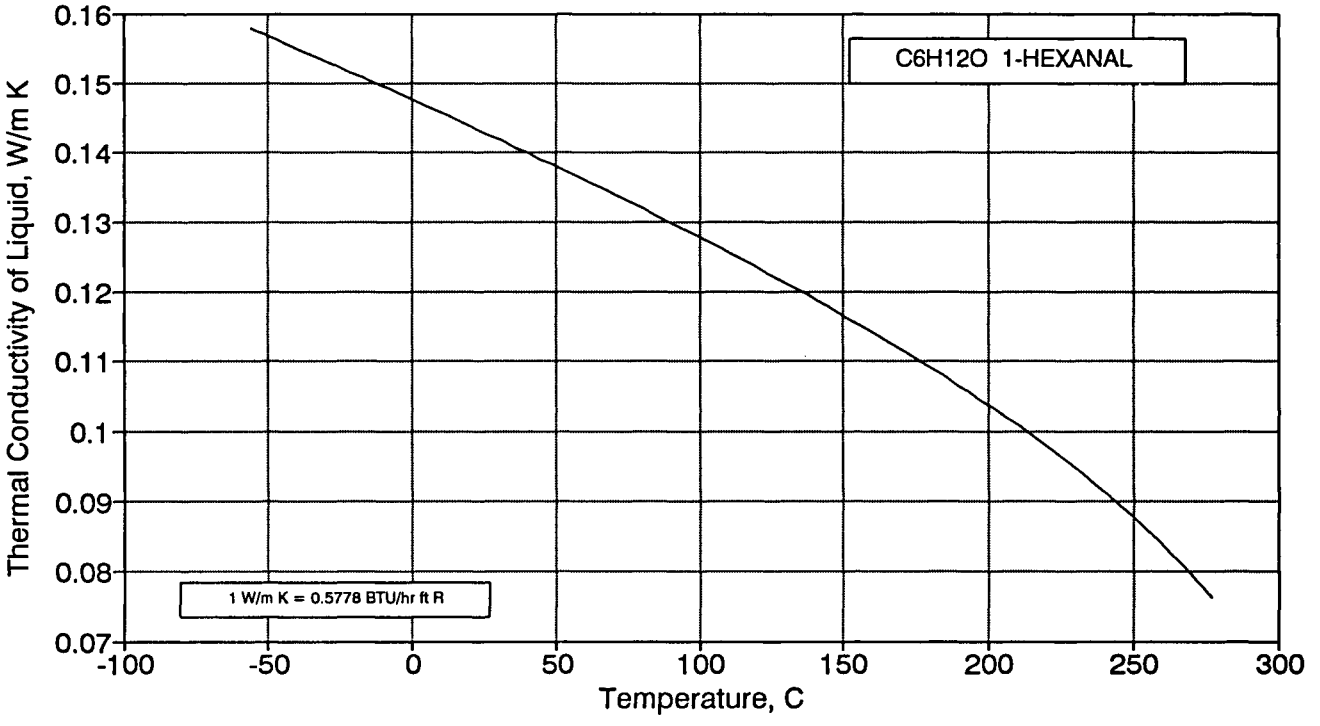

C6H12O BUTYL VINYL ETHER
Thermal Conductivity of Gas, W/m K
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

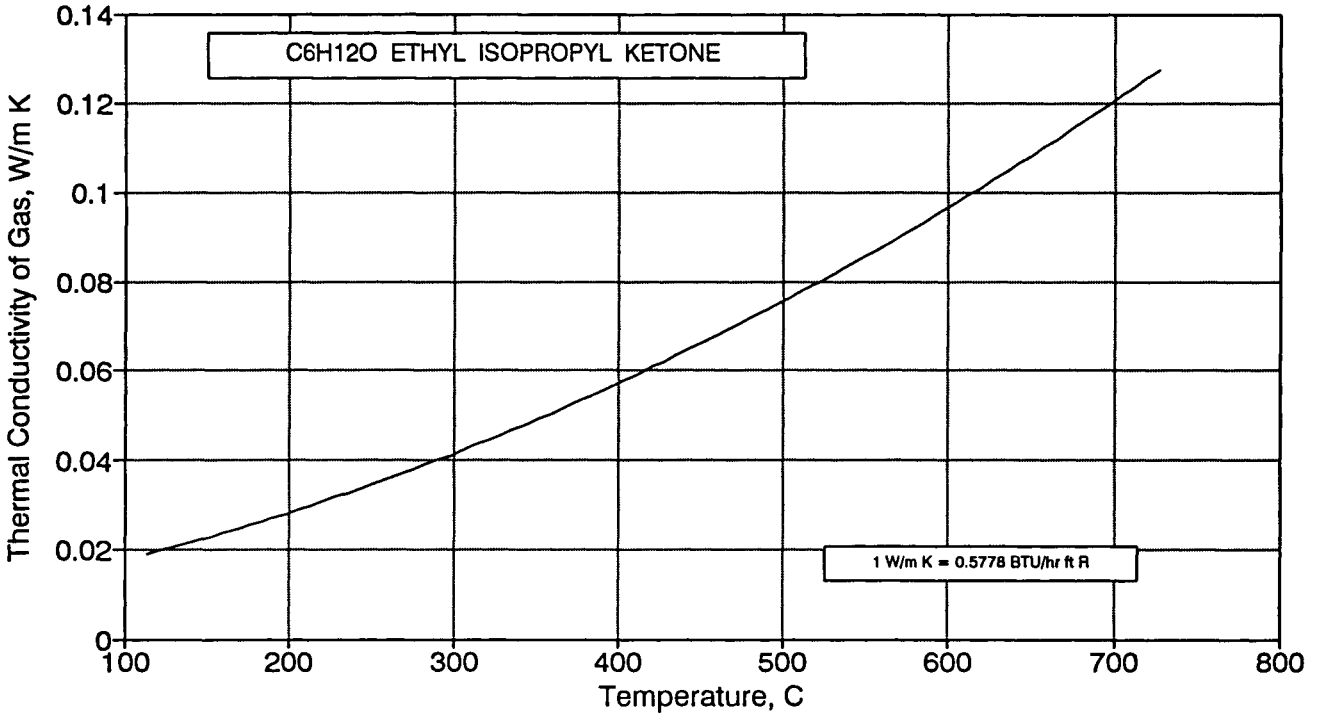

C6H12O BUTYL VINYL ETHER
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

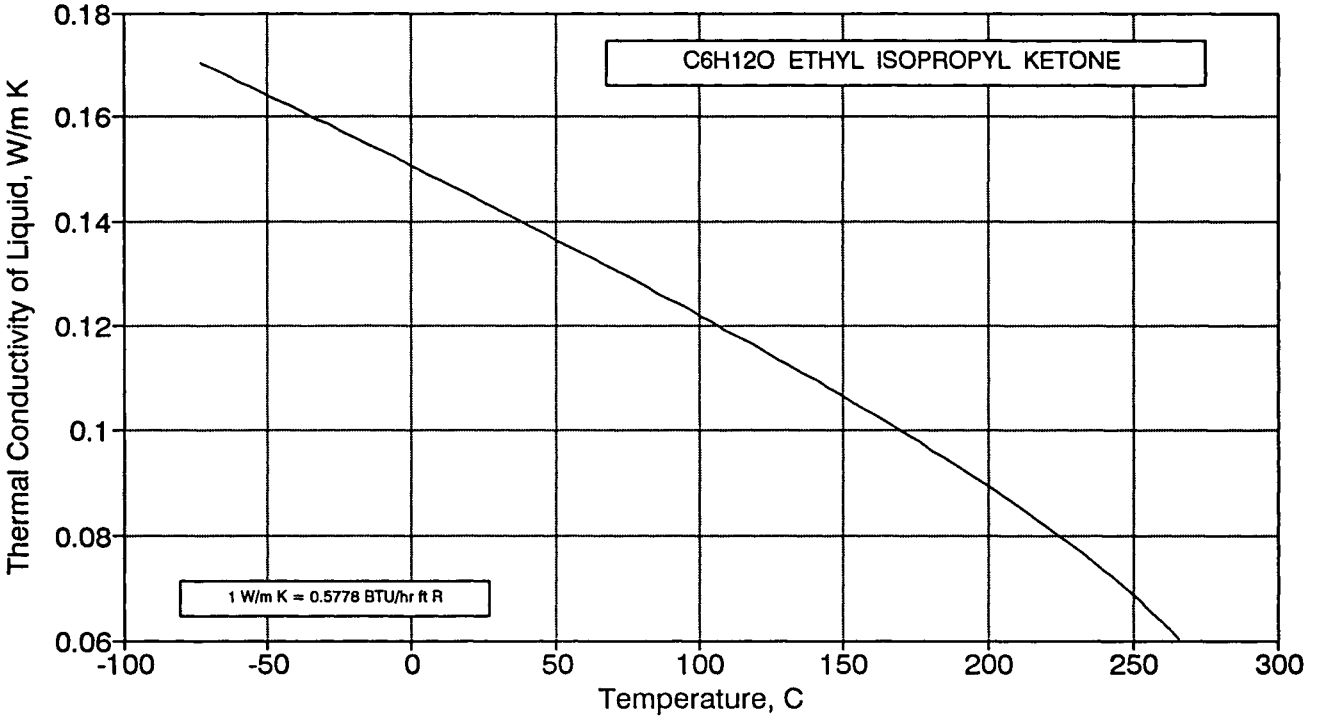

C6H12O CYCLOHEXANOL
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

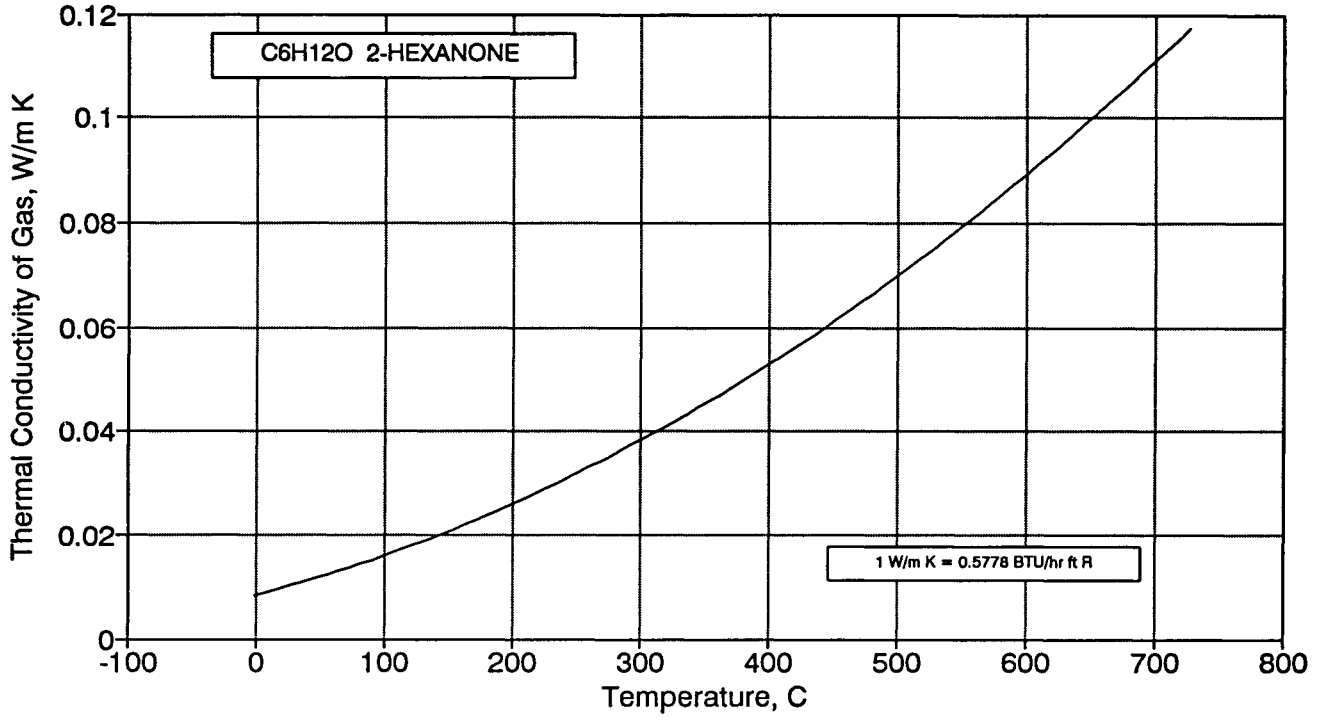

C6H12O CYCLOHEXANOL
Thermal Conductivity of Liquid, W/m K
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

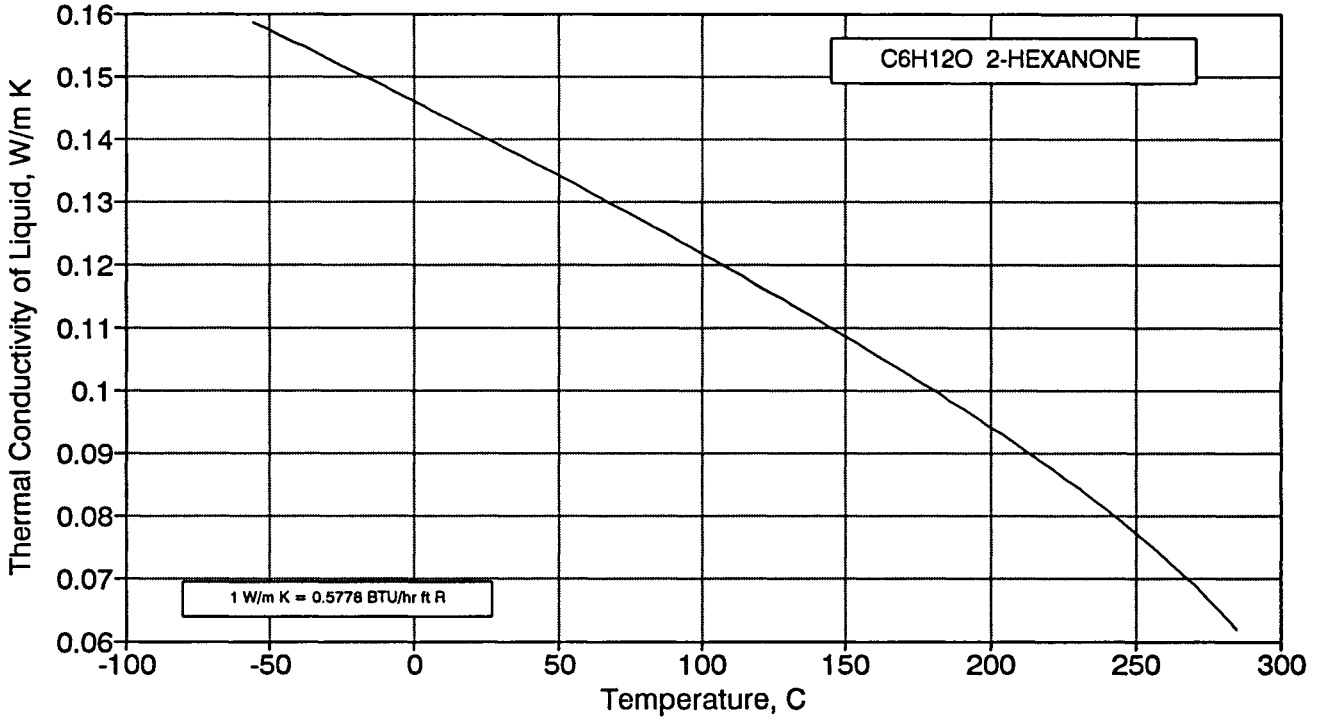

C6H12O 1-HEXANAL
Thermal Conductivity of Gas, W/m K
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

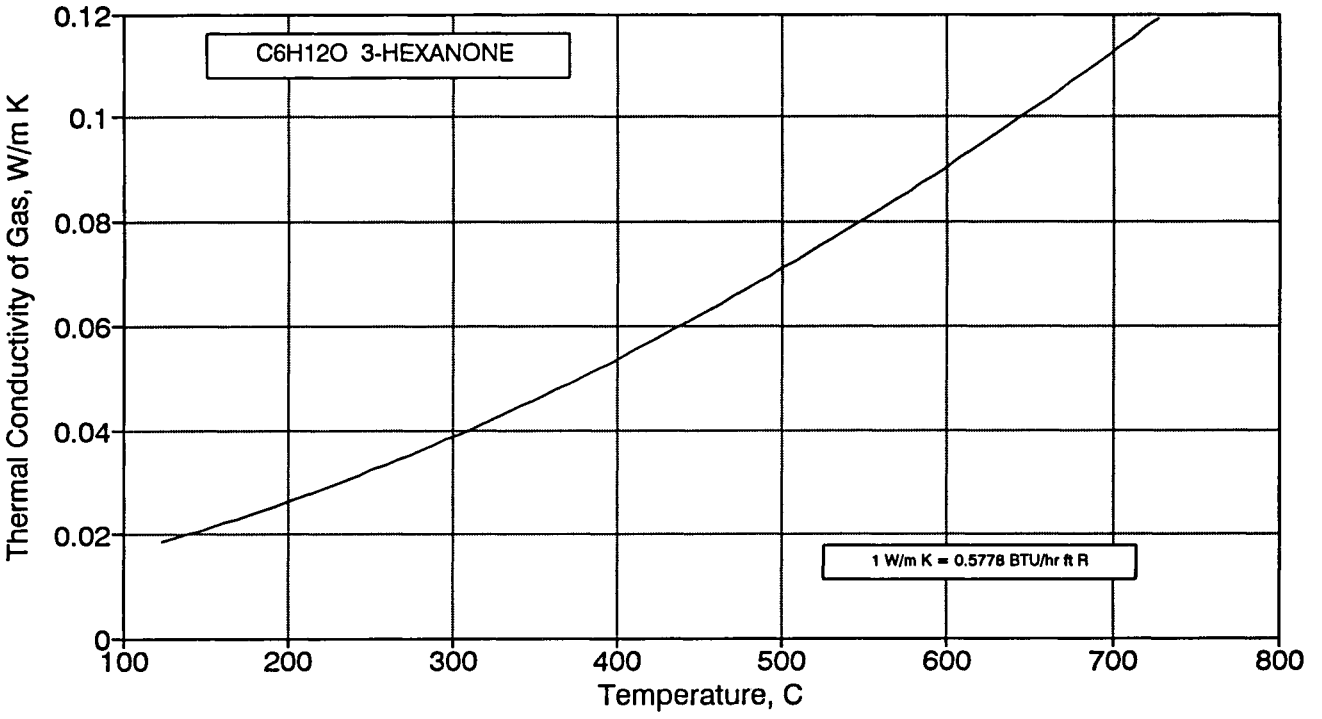

C6H12O 1-HEXANAL
Thermal Conductivity of Liquid, W/m K
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

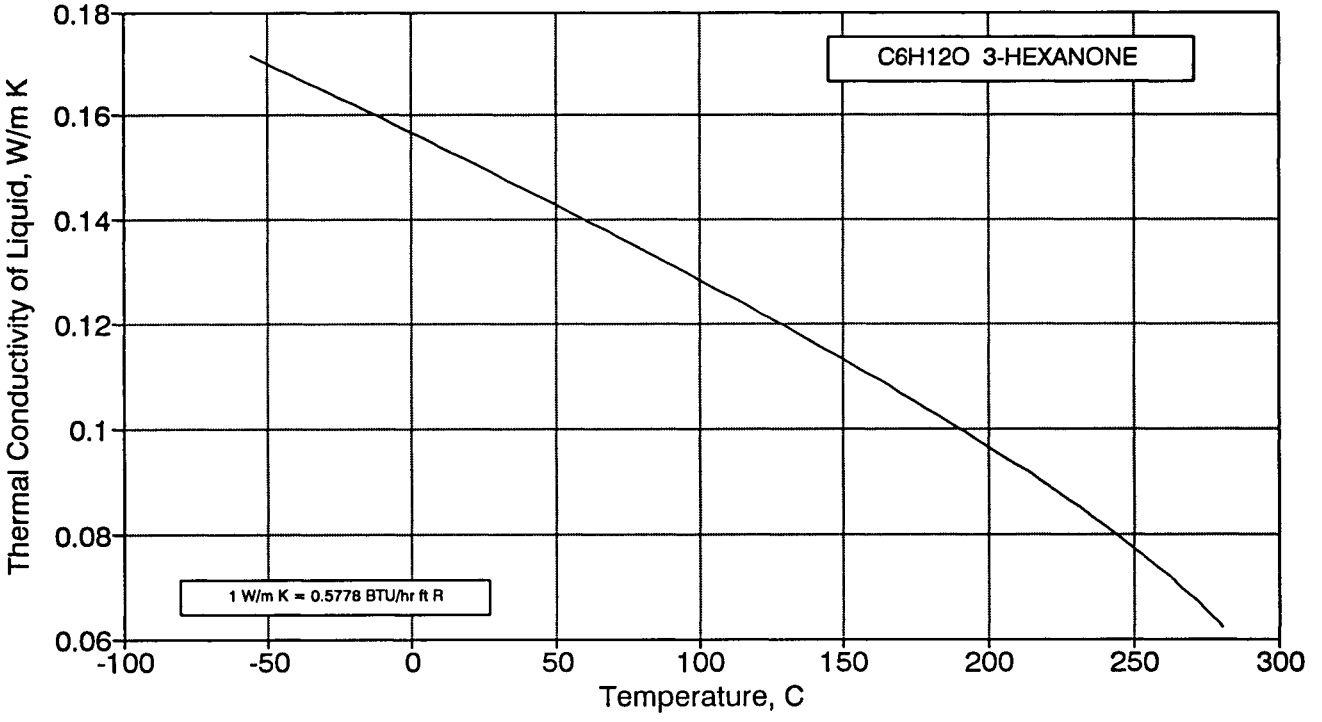

C6H12O ETHYL ISOPROPYL KETONE
Thermal Conductivity of Gas, W/m K
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

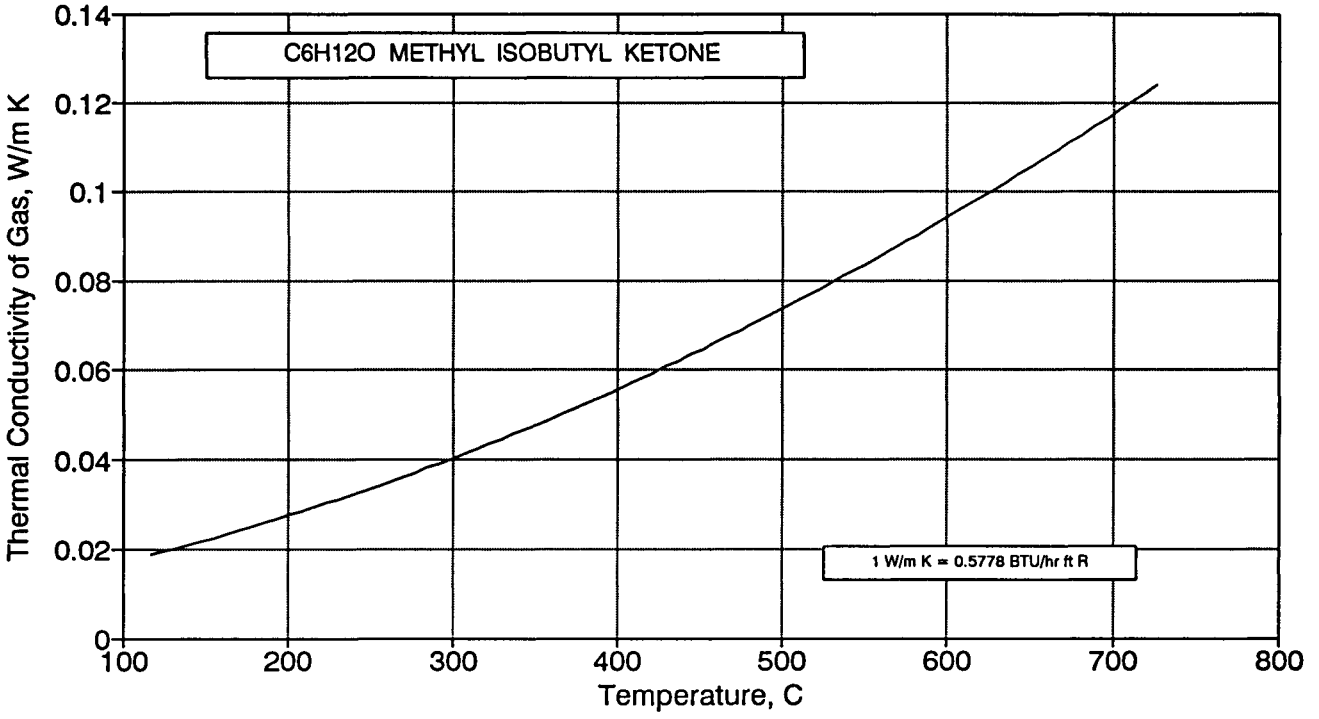

C6H12O ETHYL ISOPROPYL KETONE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

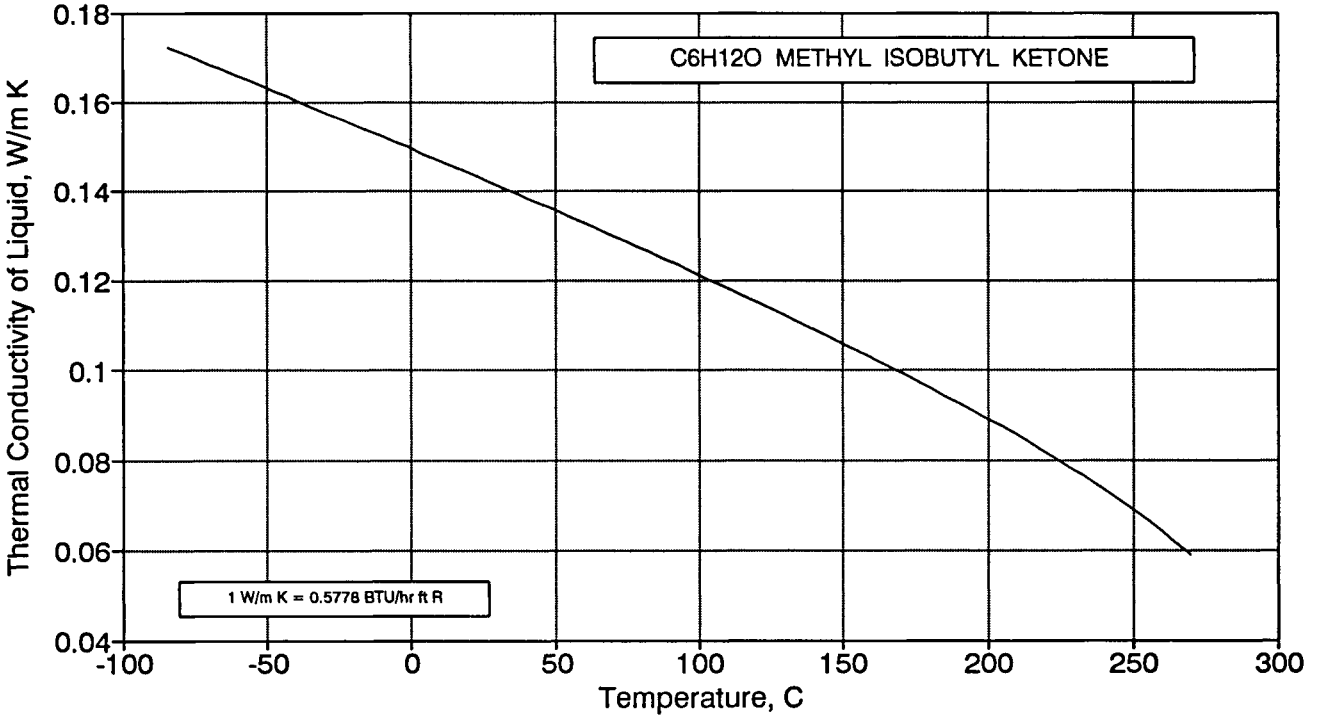

C6H12O 2-HEXANONE
Thermal Conductivity of Gas, W/m K
0.12
0.1
0.08
0.06
0.04
0.02
0
-100
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

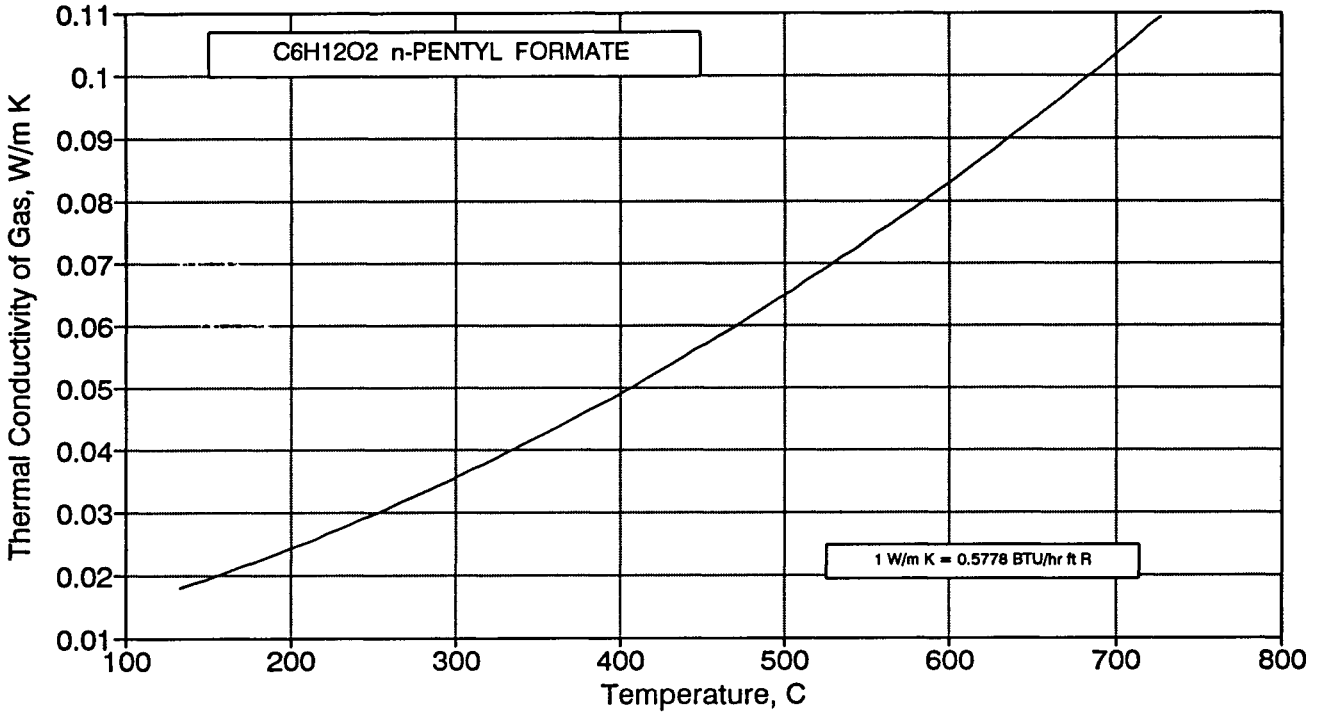

C6H12O 2-HEXANONE
Thermal Conductivity of Liquid, W/m K
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

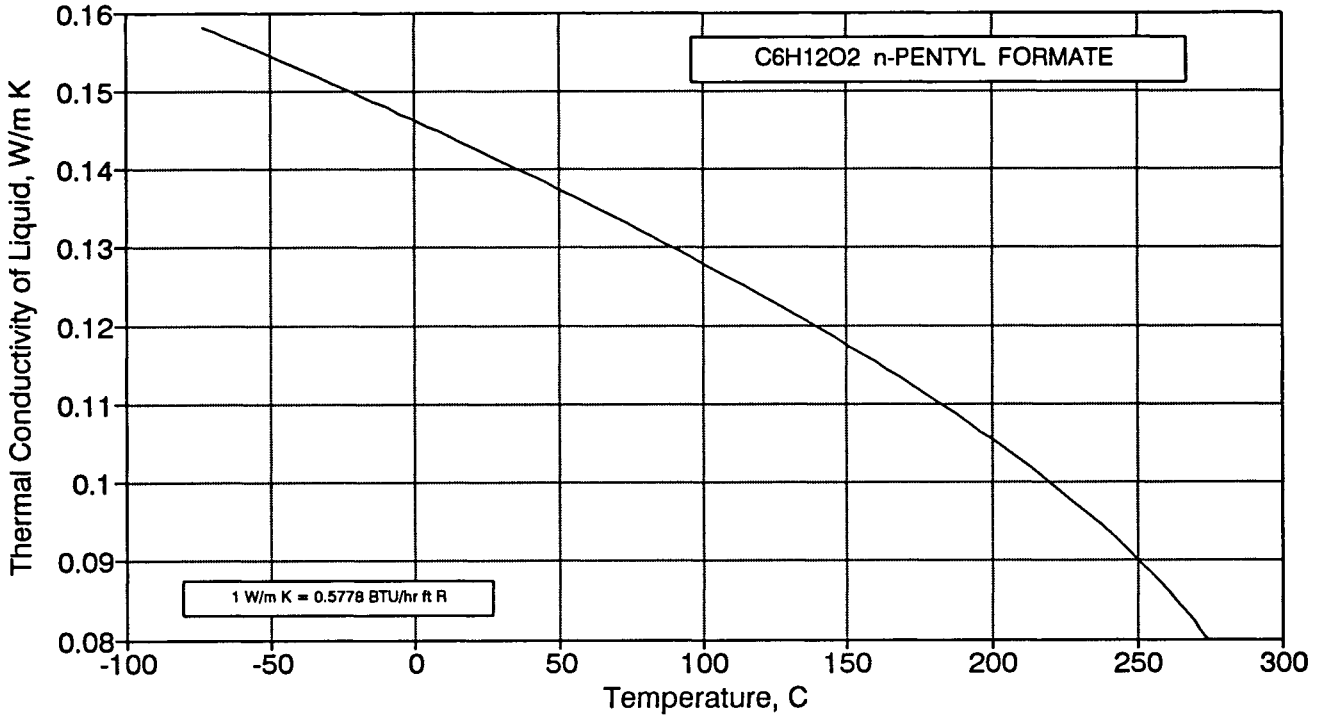

C6H12O 3-HEXANONE
Thermal Conductivity of Gas, W/m K
0.12
0.1
0.08
0.06
0.04
0.02
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

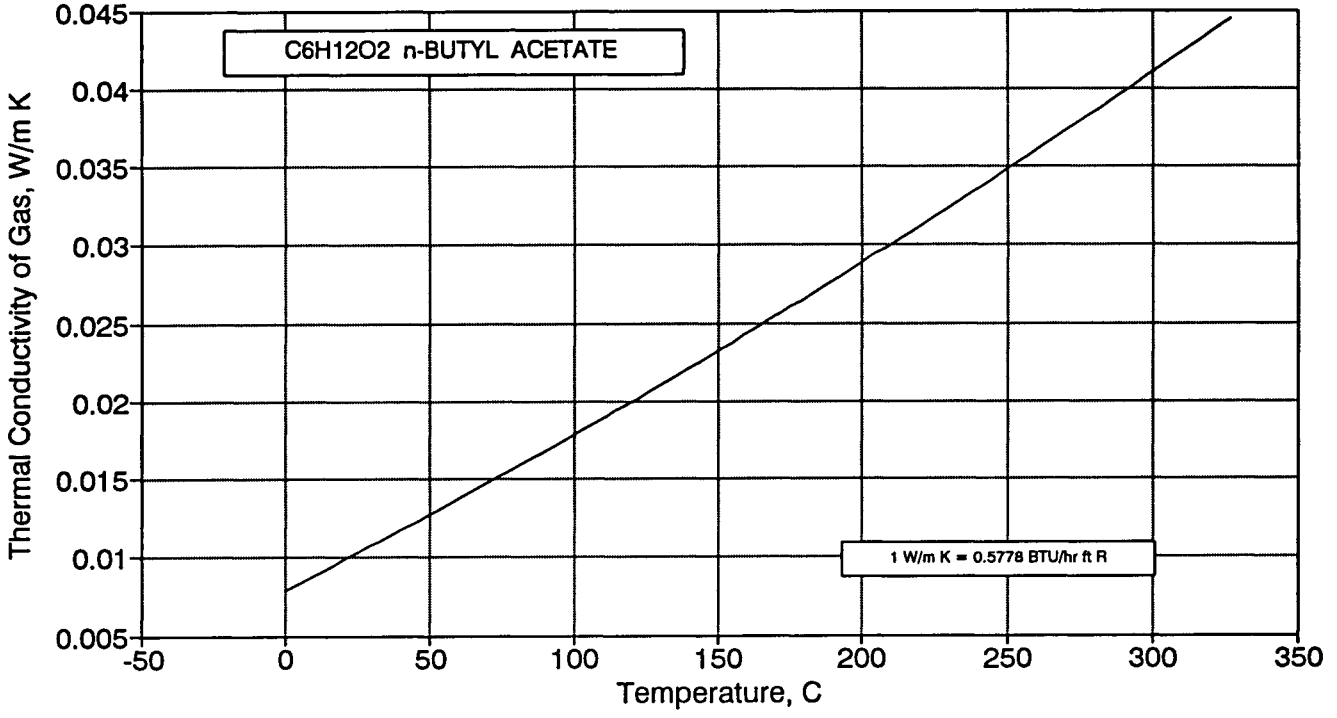

C6H12O 3-HEXANONE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

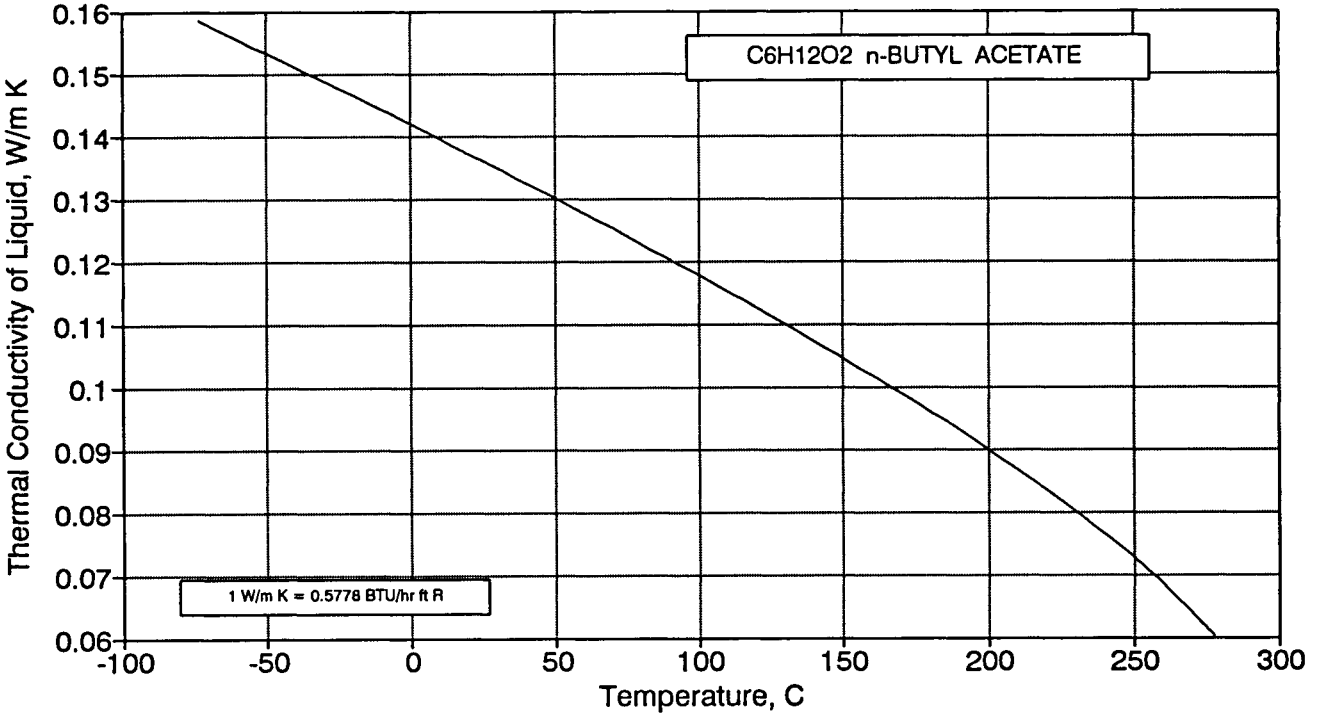

C6H12O METHYL ISOBUTYL KETONE
Thermal Conductivity of Gas, W/m K
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

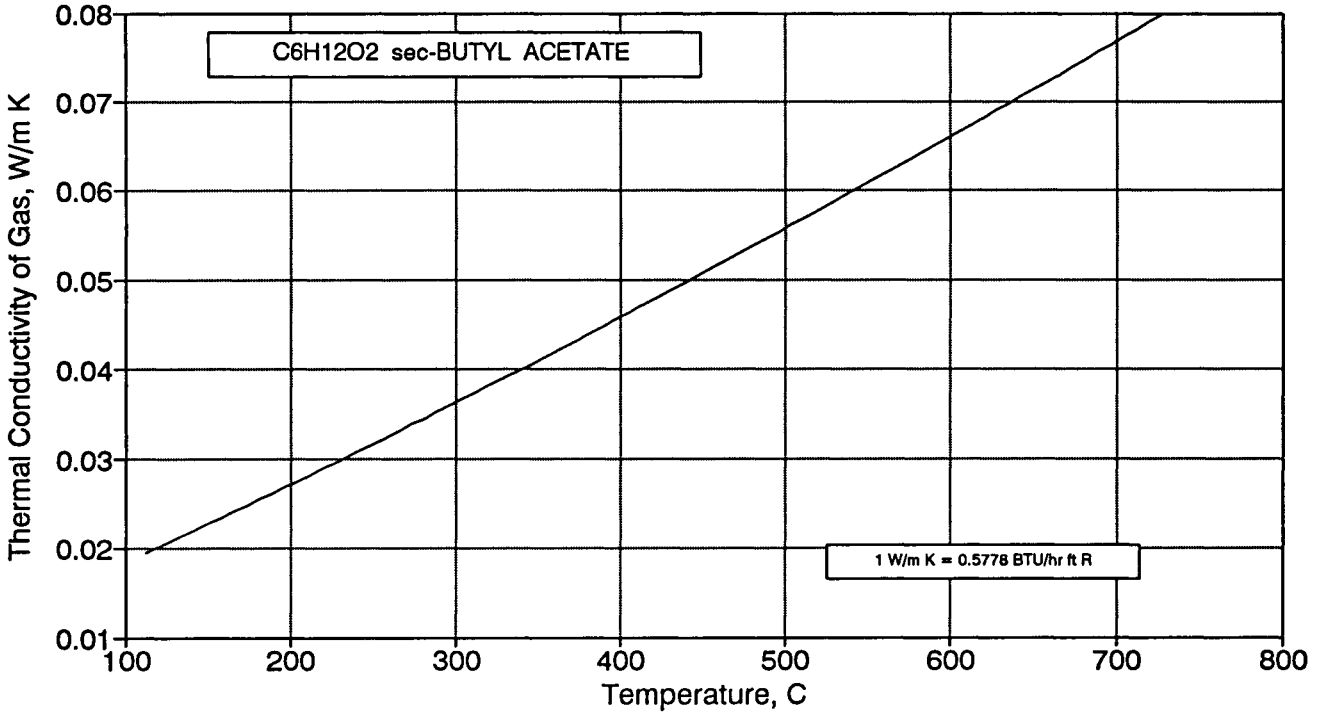

C6H12O METHYL ISOBUTYL KETONE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

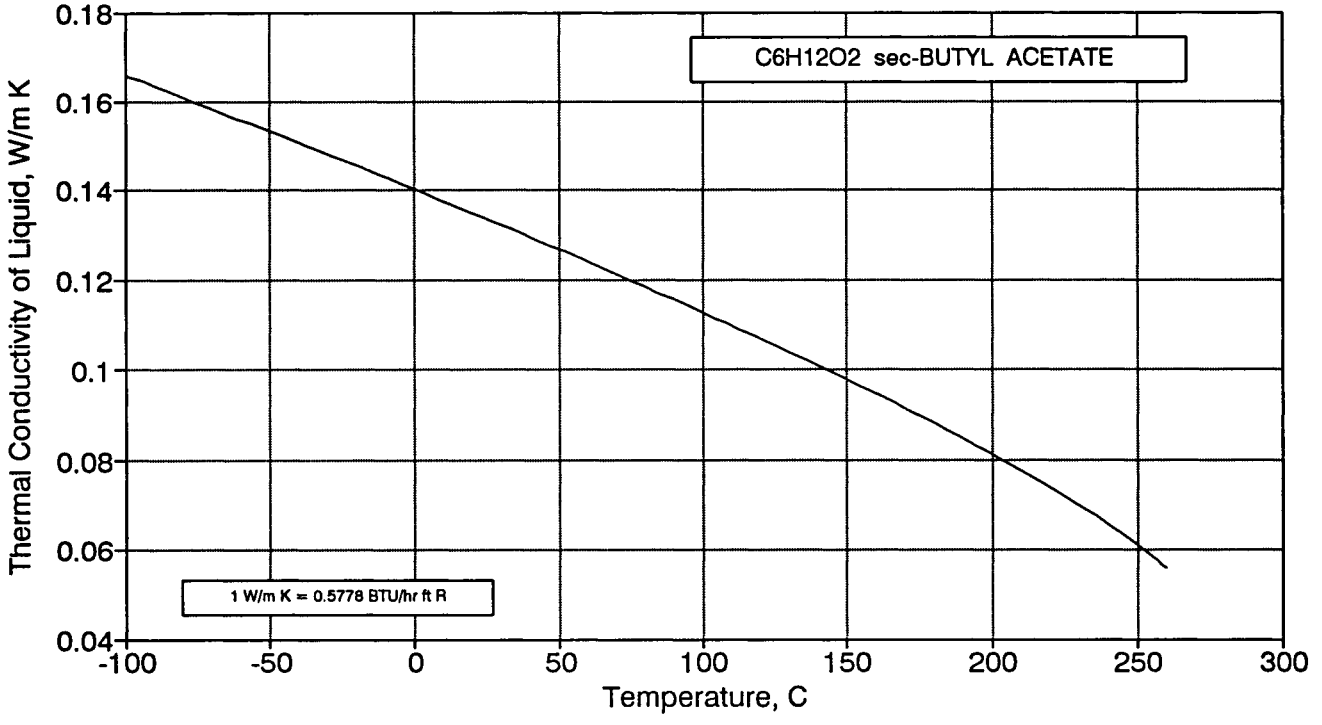

C6H12O2 n-PENTYL FORMATE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800

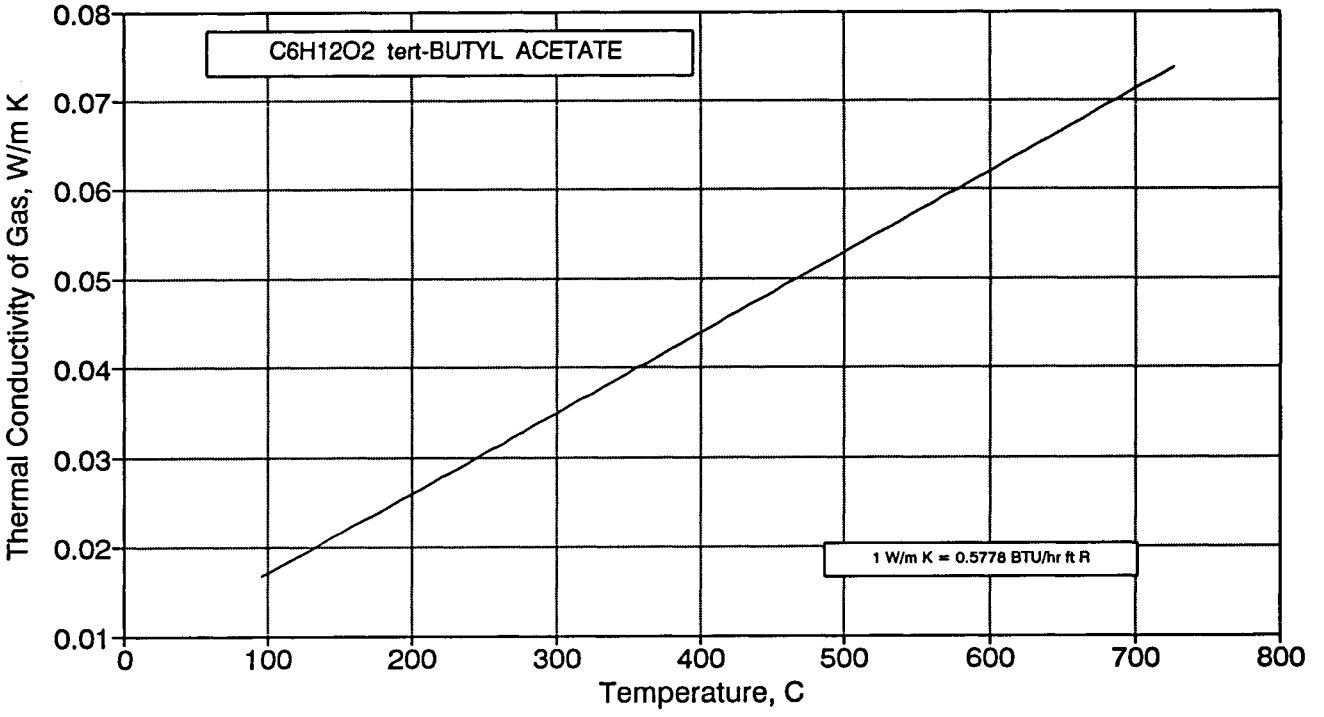

C6H12O2 n-PENTYL FORMATE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
-100
-50
0
50
100
150
200
250
300

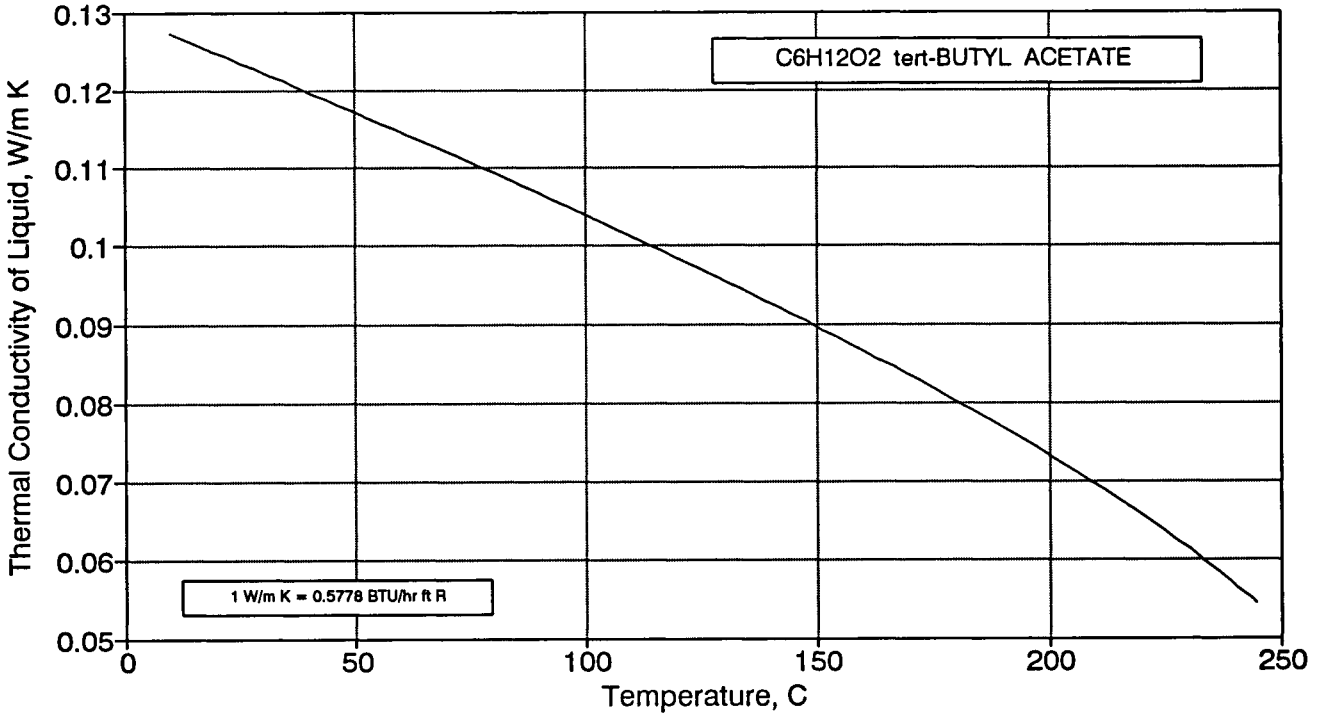

C6H12O2 n-BUTYL ACETATE
Thermal Conductivity of Gas, W/m K
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

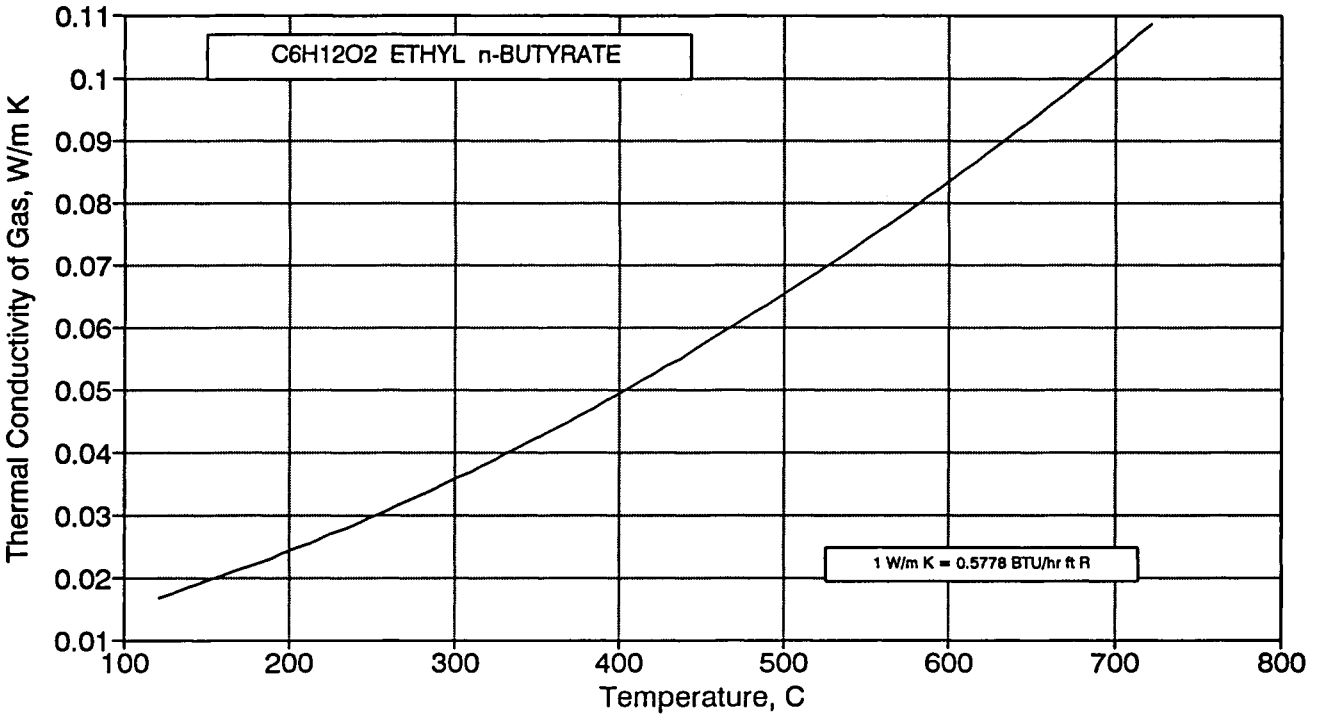

C6H12O2 n-BUTYL ACETATE
Thermal Conductivity of Liquid, W/m K
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

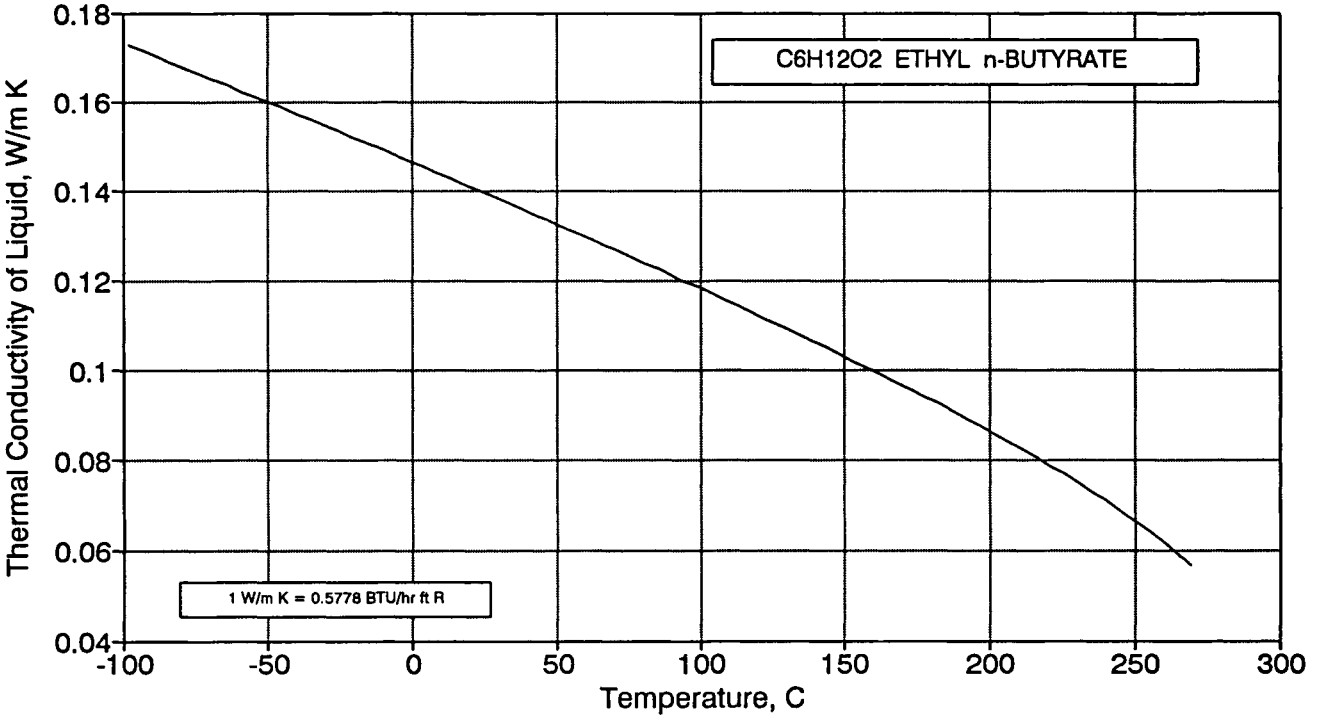

C6H12O2 sec-BUTYL ACETATE
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

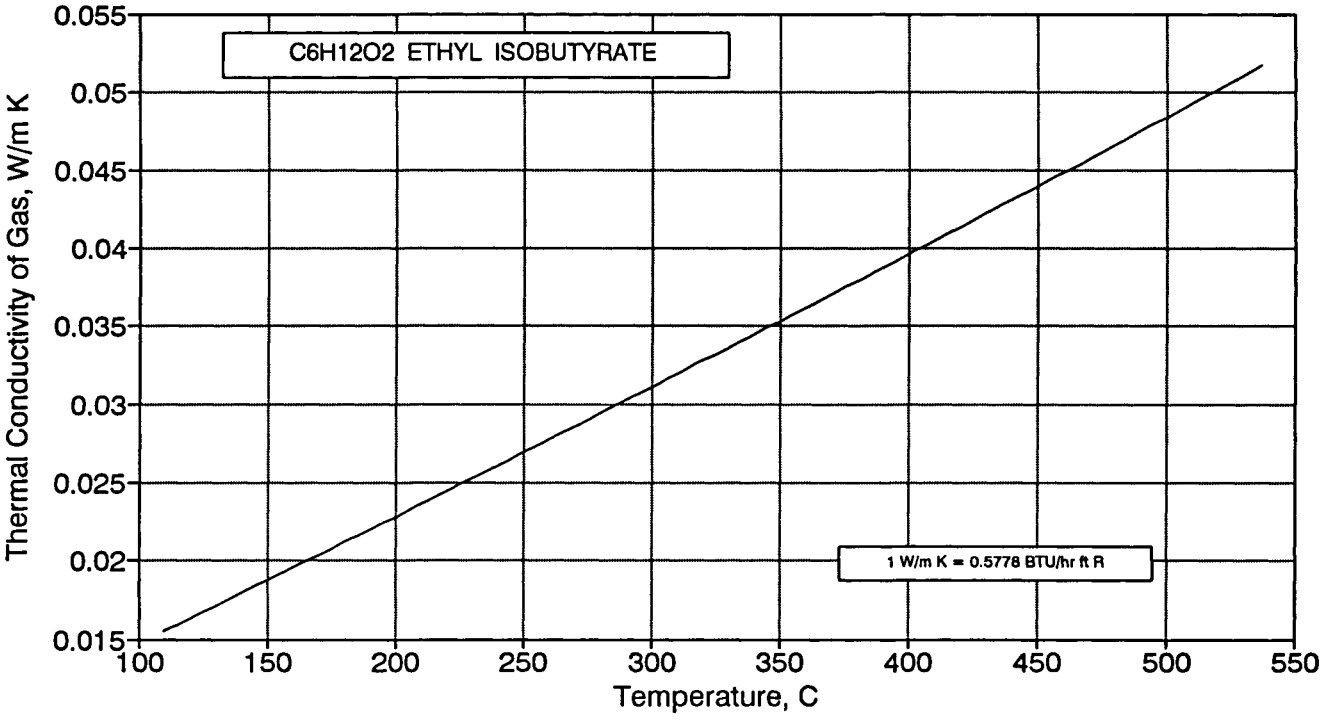

C6H12O2 sec-BUTYL ACETATE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

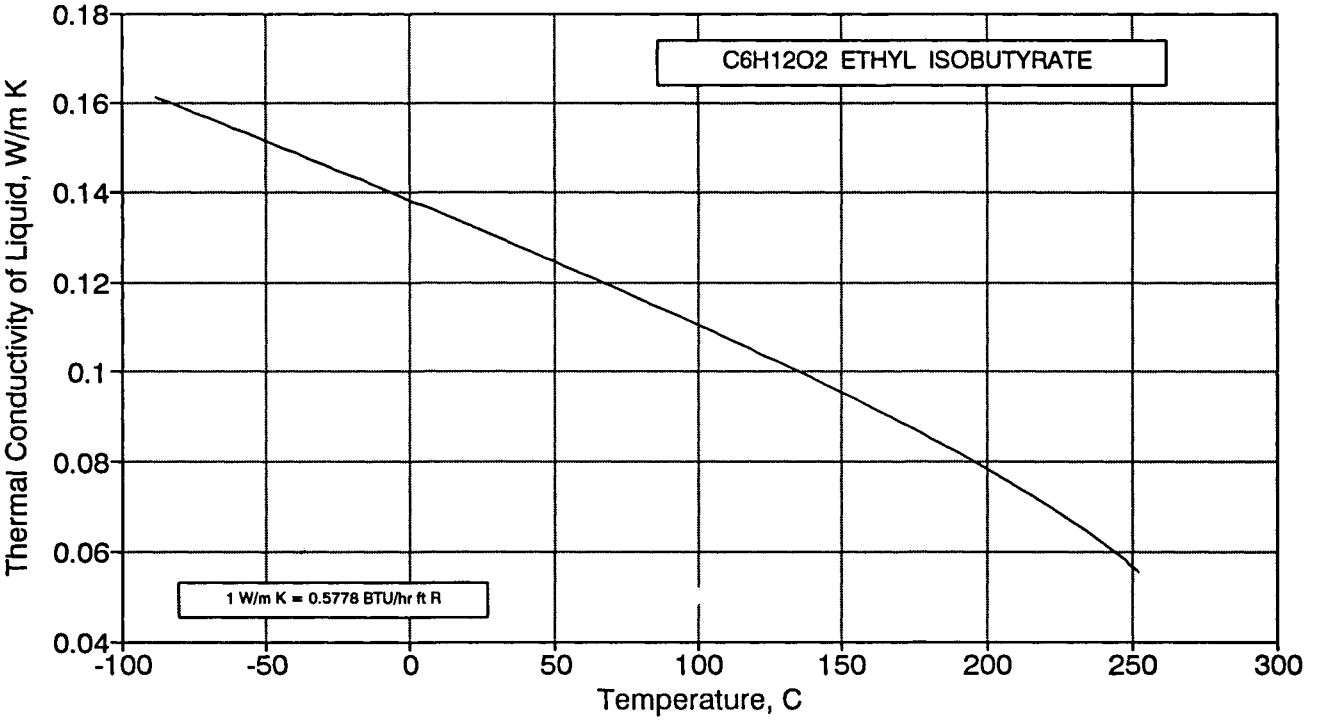

C6H12O2 tert-BUTYL ACETATE
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

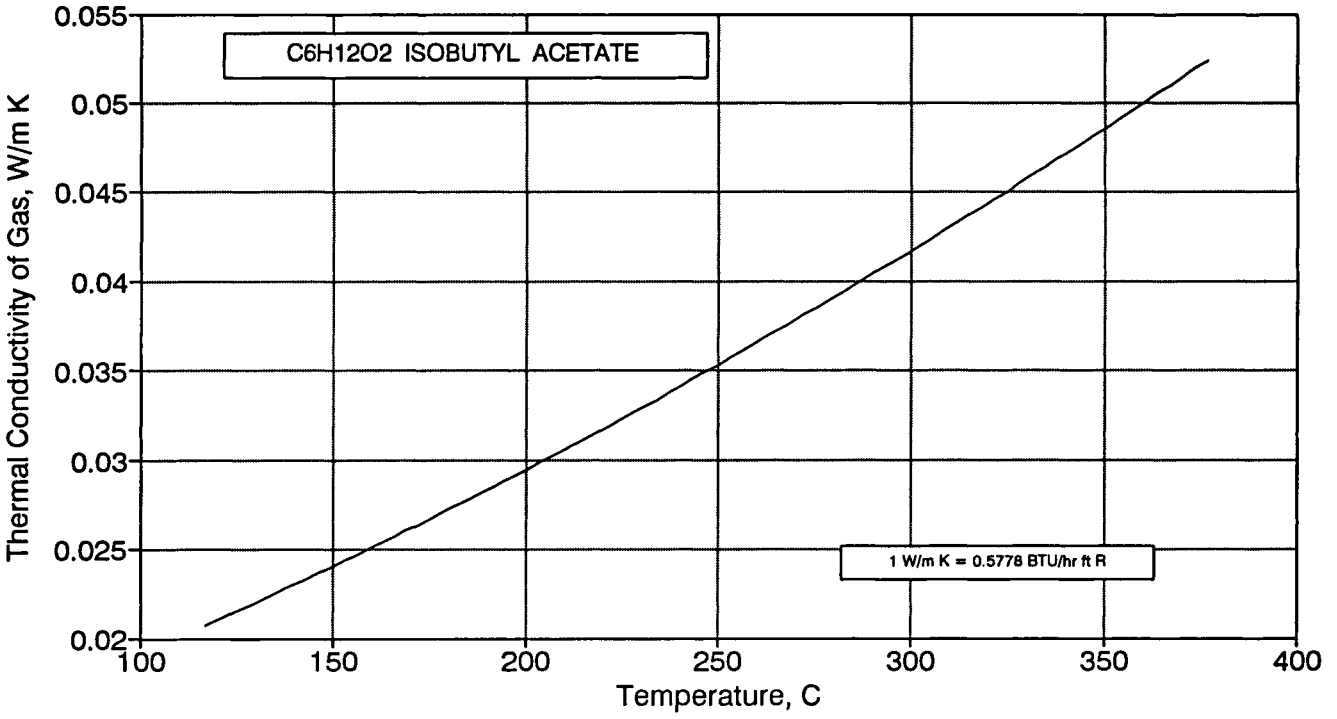

C6H12O2 tert-BUTYL ACETATE
Thermal Conductivity of Liquid, W/m K
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

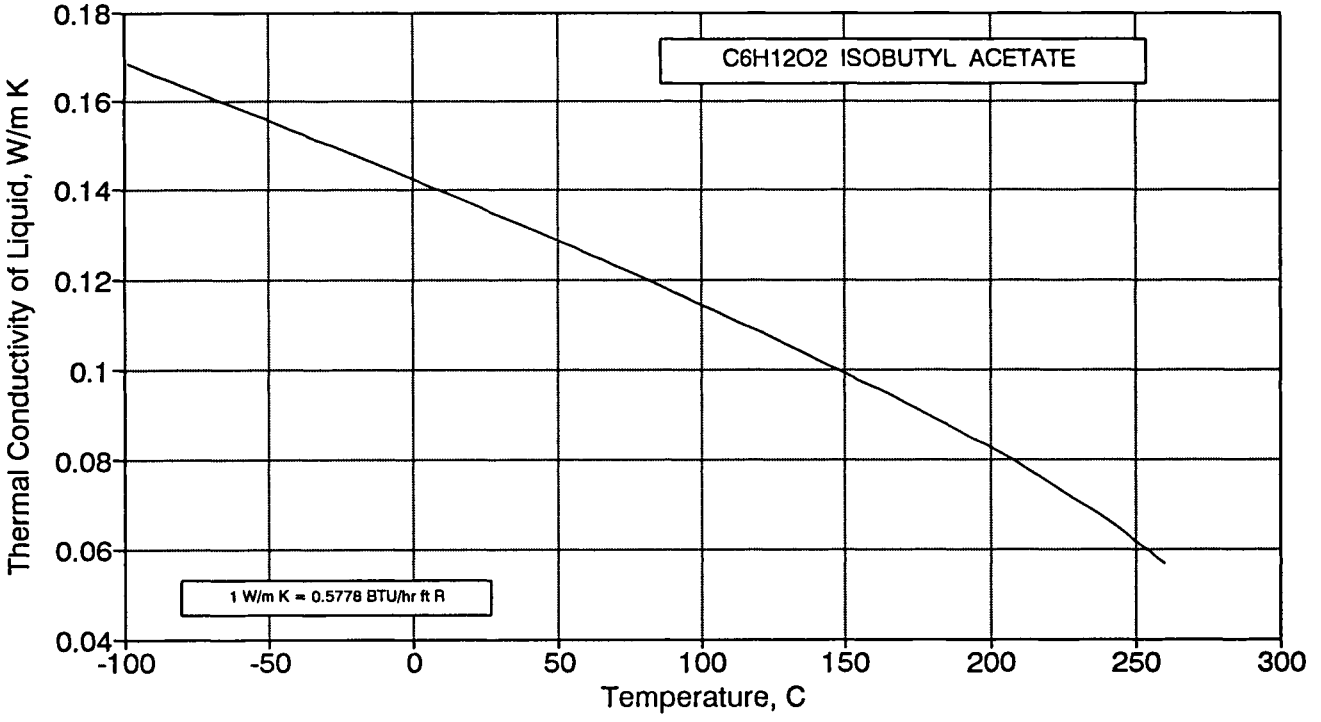

C6H12O2 ETHYL n-BUTYRATE
Thermal Conductivity of Gas, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

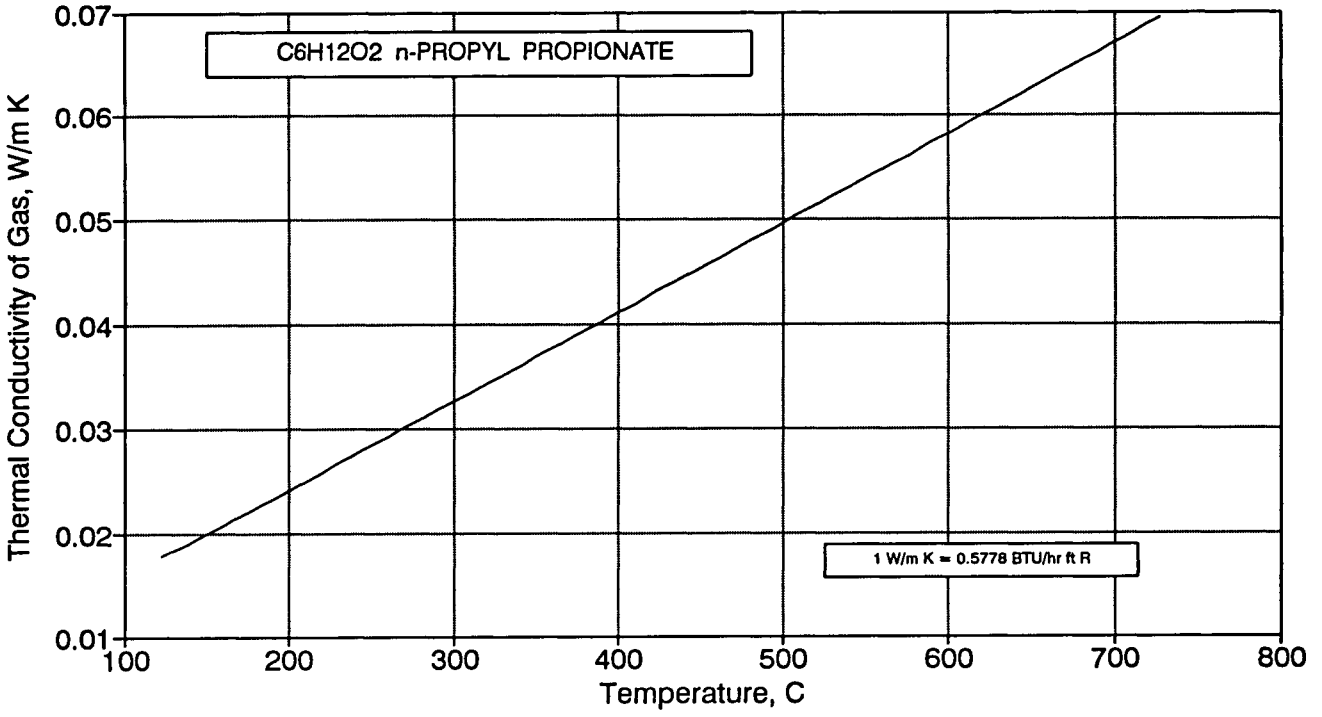

C6H12O2 ETHYL n-BUTYRATE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

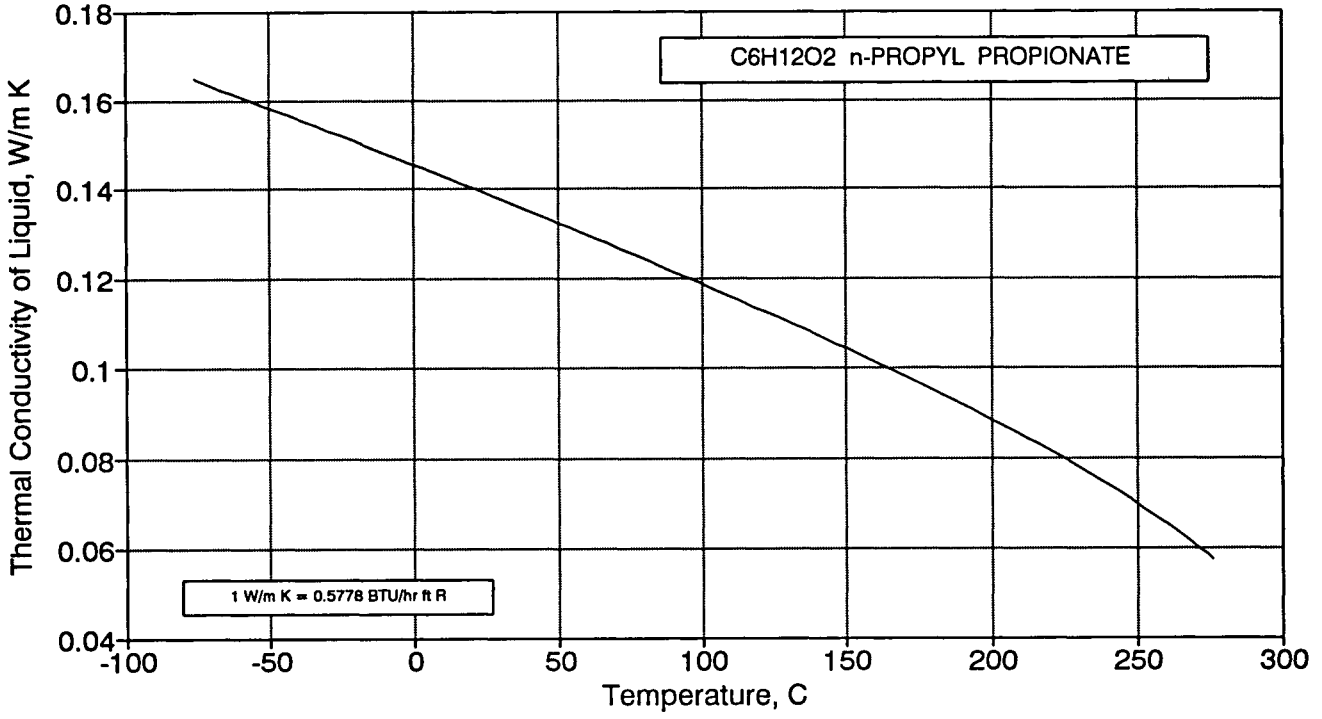

C6H12O2 ETHYL ISOBUTYRATE
Thermal Conductivity of Gas, W/m K
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
100
150
200
250
300
350
400
450
500
550
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

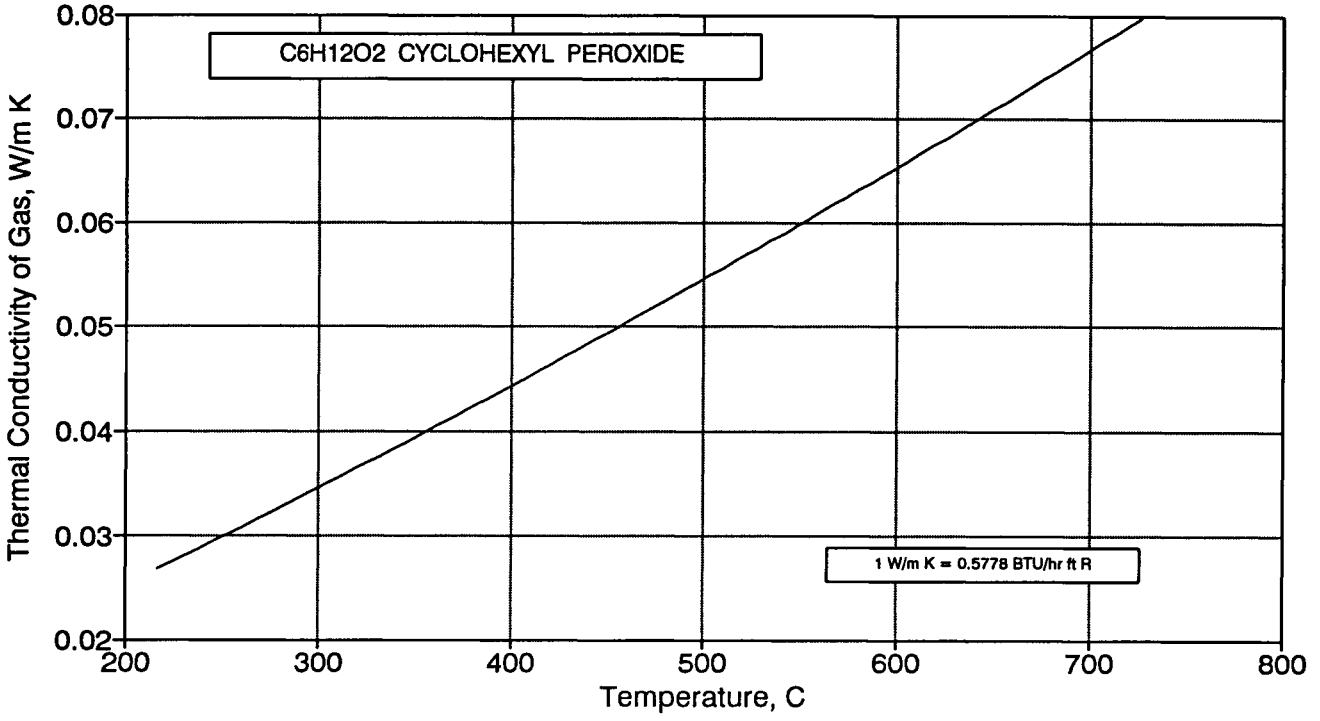

C6H12O2 ETHYL ISOBUTYRATE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

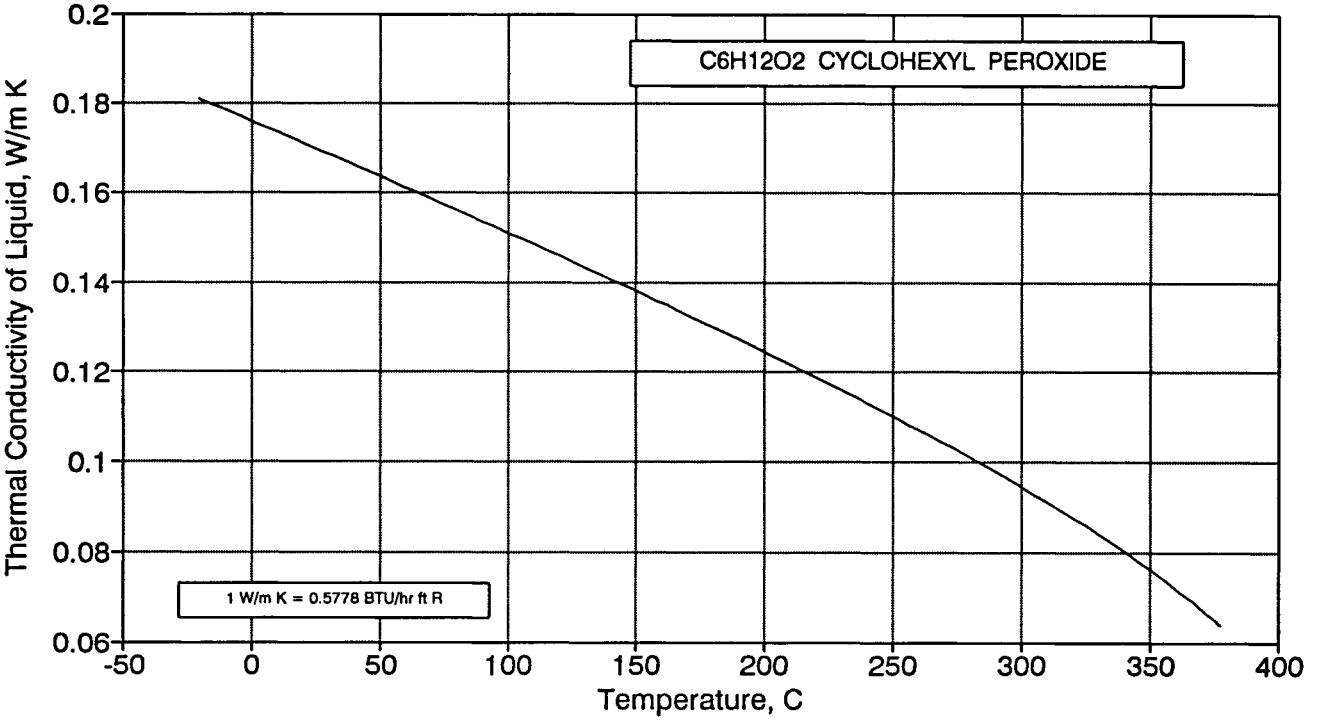

C6H12O2 ISOBUTYL ACETATE
Thermal Conductivity of Gas, W/m K
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

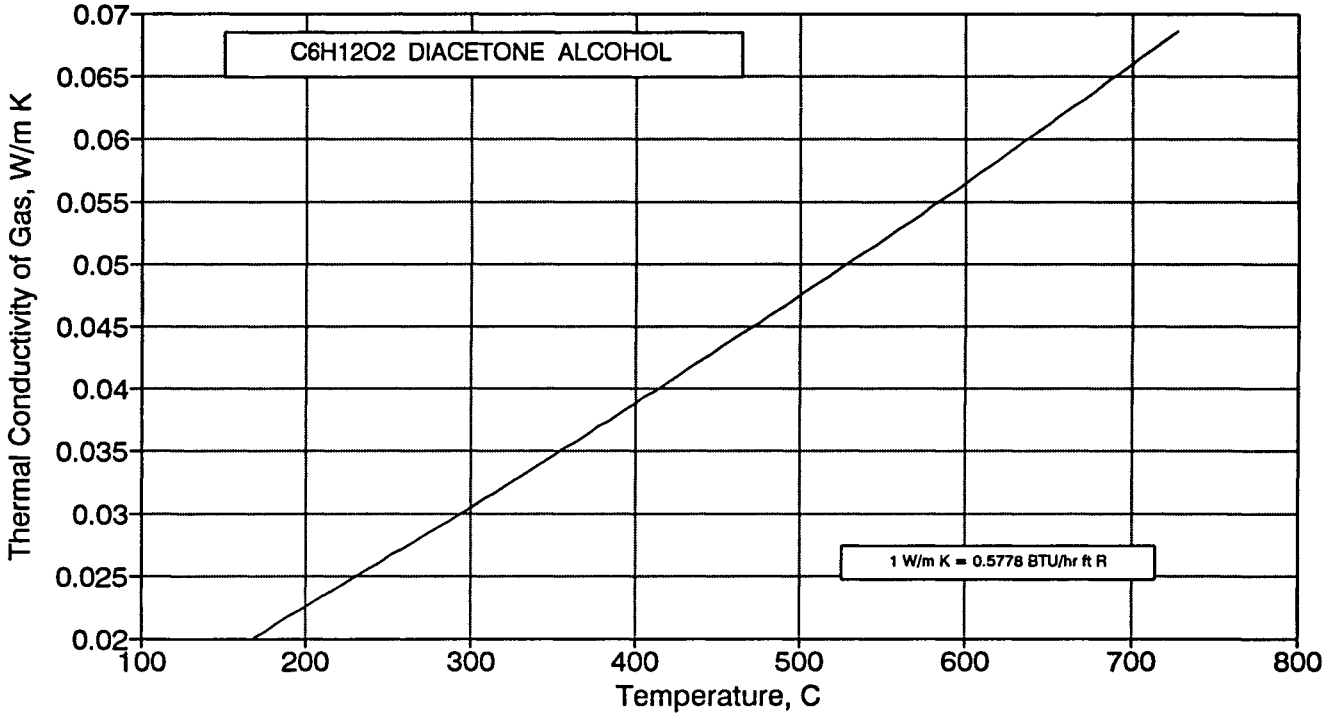

C6H12O2 ISOBUTYL ACETATE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

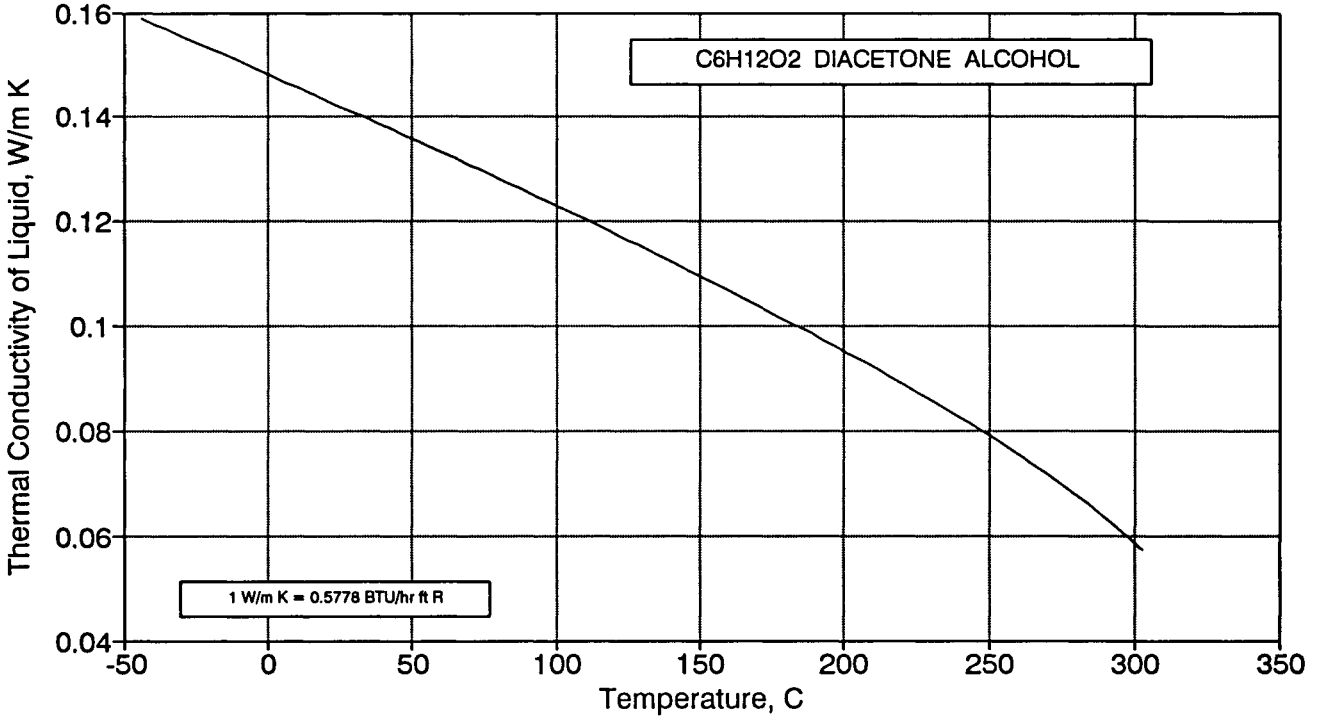

C6H12O2 n-PROPYL PROPIONATE
Thermal Conductivity of Gas, W/m K
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

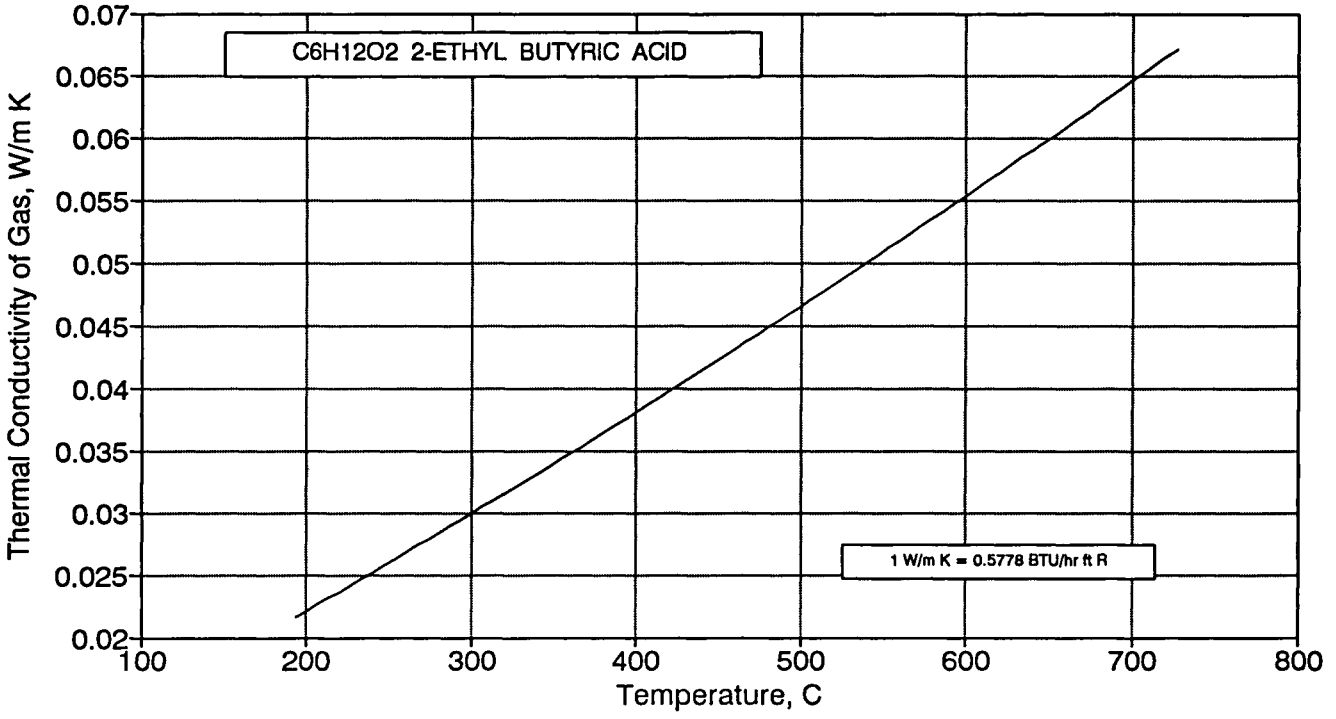

C6H12O2 n-PROPYL PROPIONATE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

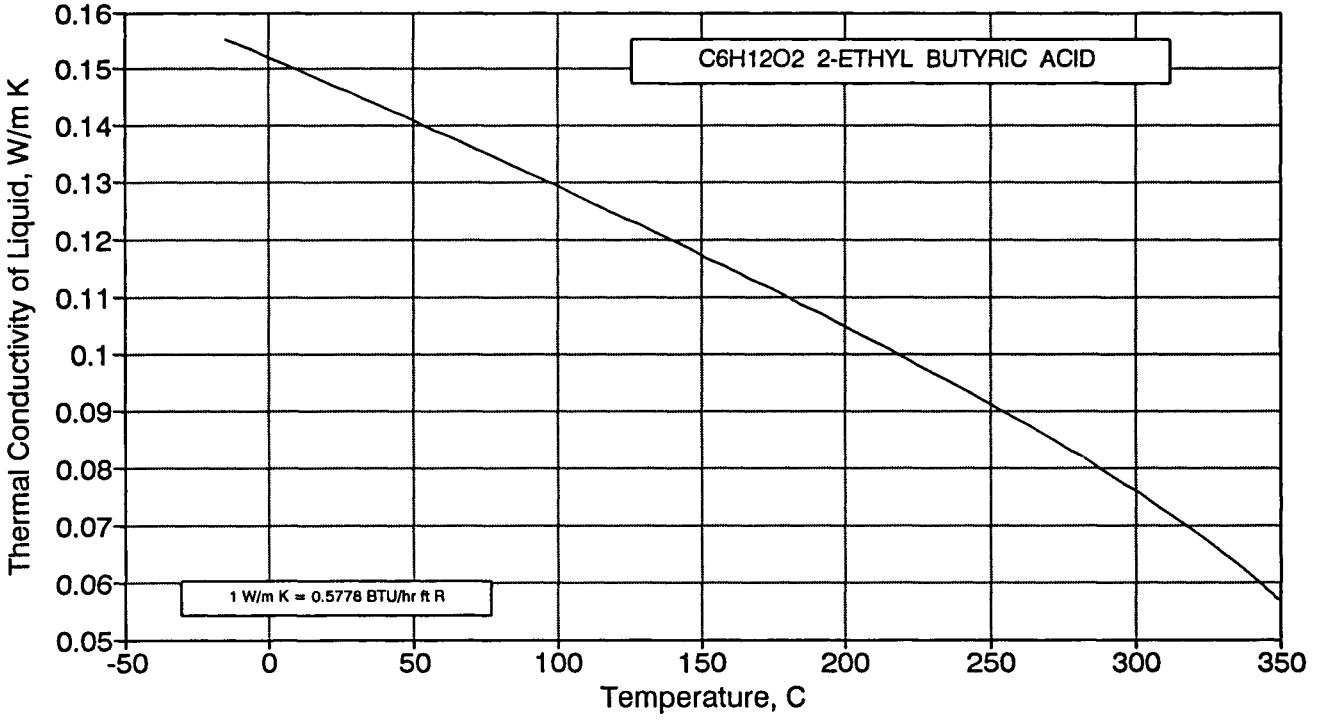

C6H12O2 CYCLOHEXYL PEROXIDE
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

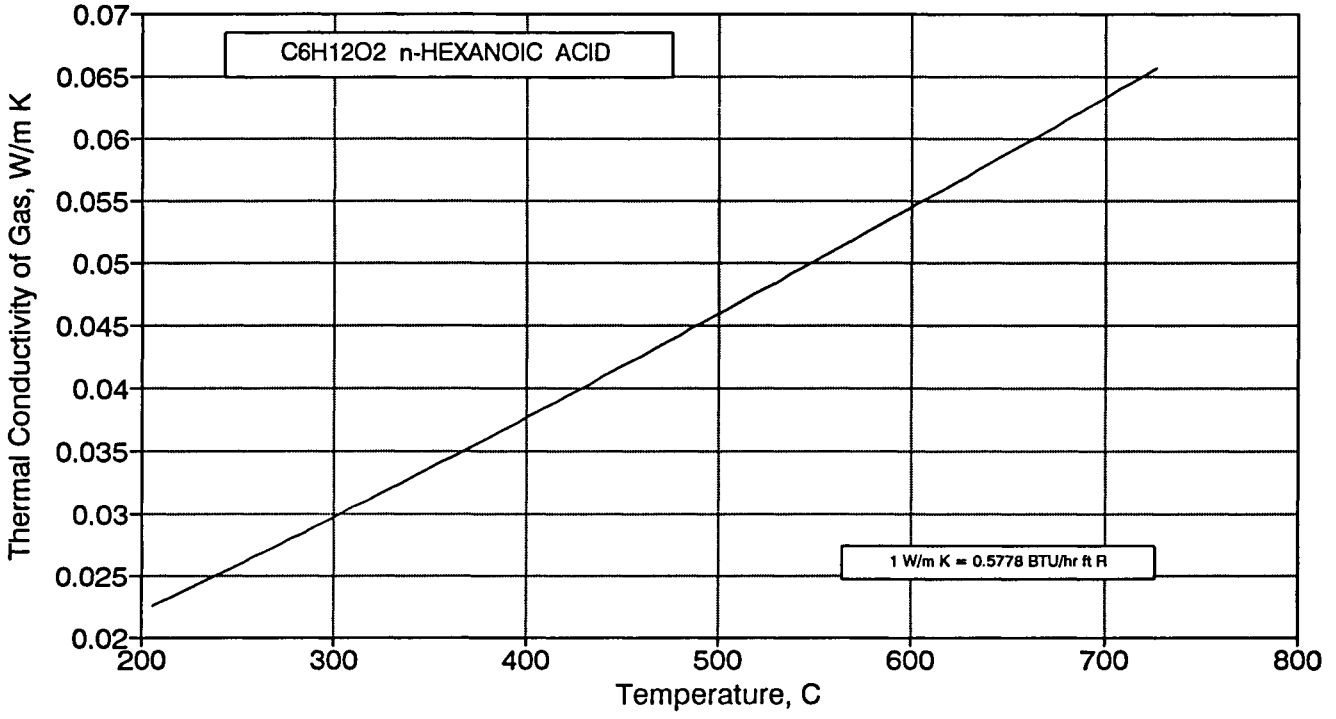

C6H12O2 CYCLOHEXYL PEROXIDE
Thermal Conductivity of Liquid, W/m K
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-50
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

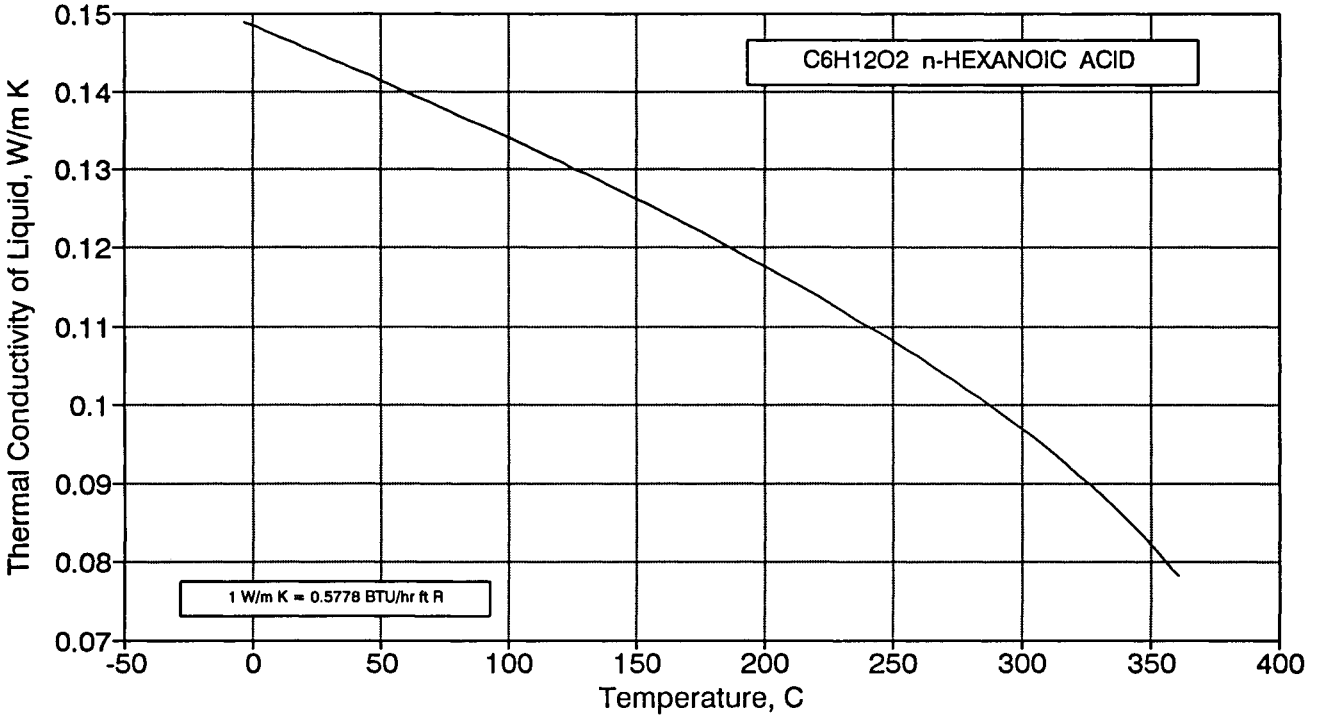

C6H12O2 DIACETONE ALCOHOL
Thermal Conductivity of Gas, W/m K
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

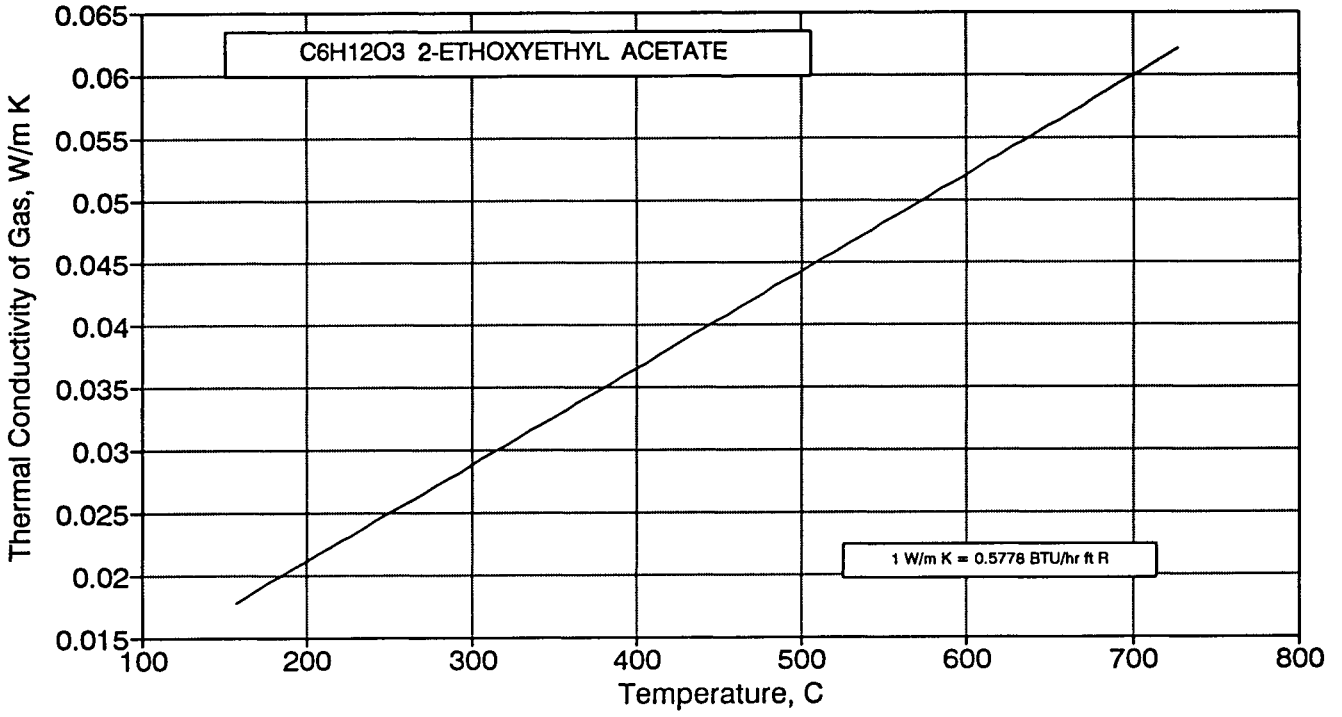

C6H12O2 DIACETONE ALCOHOL
Thermal Conductivity of Liquid, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

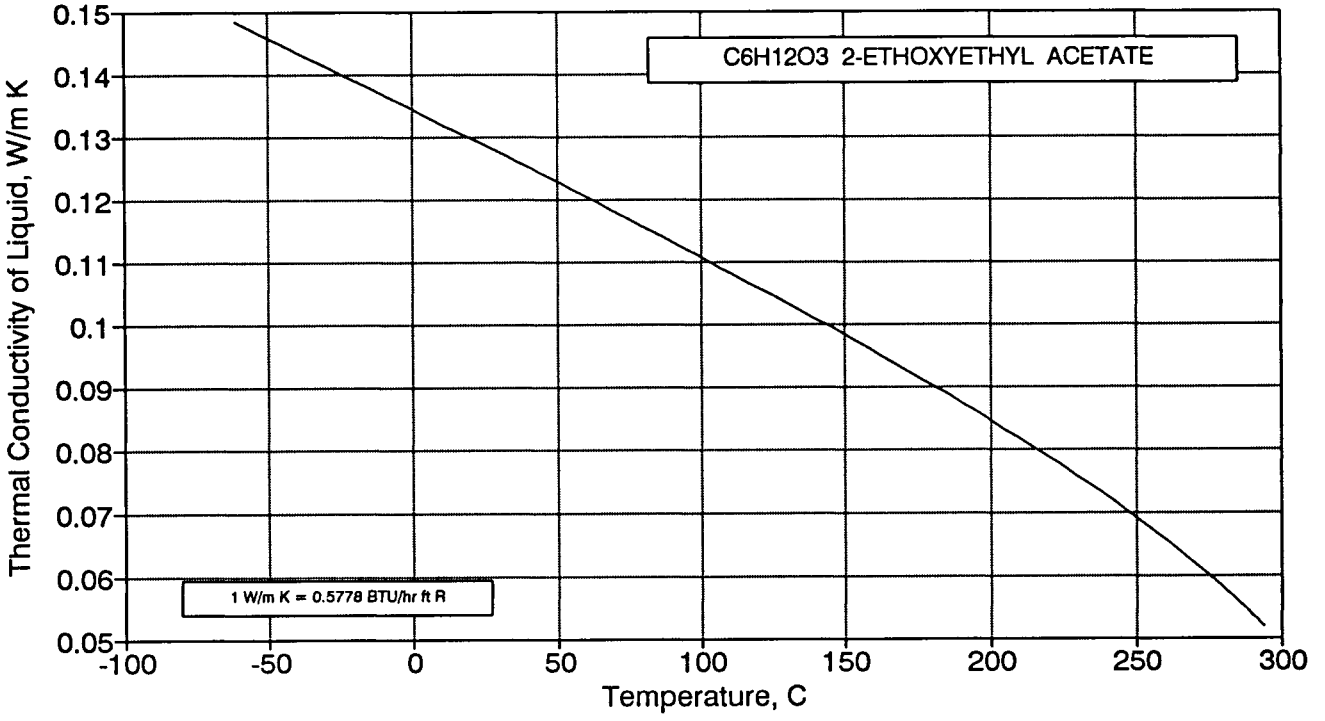

C6H12O2 2-ETHYL BUTYRIC ACID
Thermal Conductivity of Gas, W/m K
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

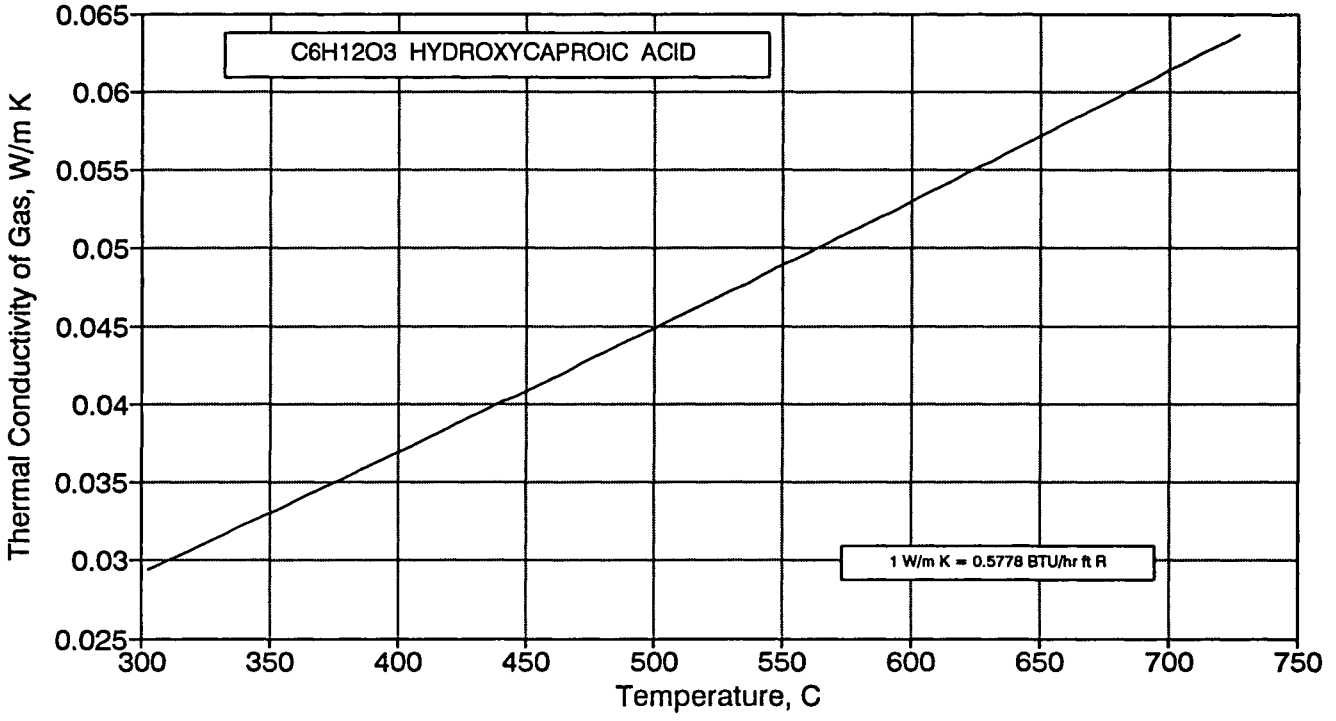

C6H12O2 2-ETHYL BUTYRIC ACID
Thermal Conductivity of Liquid, W/m K
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

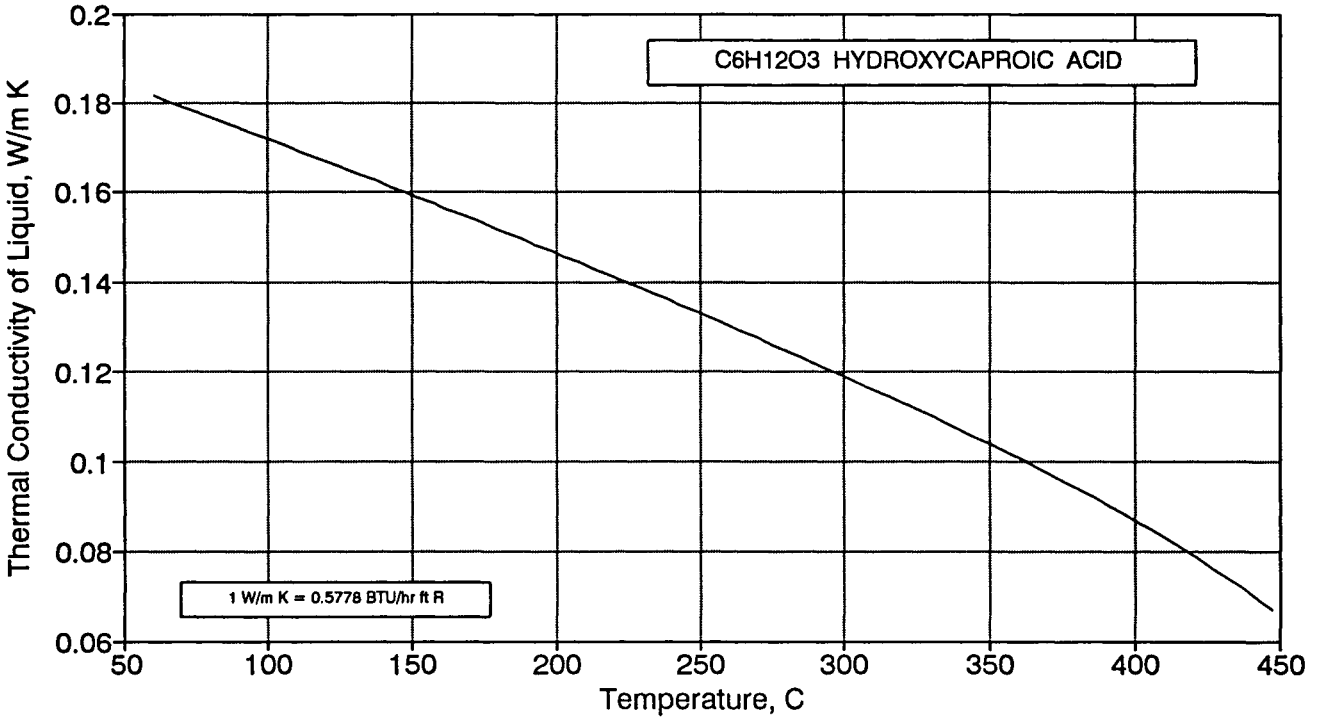

C6H12O2 n-HEXANOIC ACID
Thermal Conductivity of Gas, W/m K
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

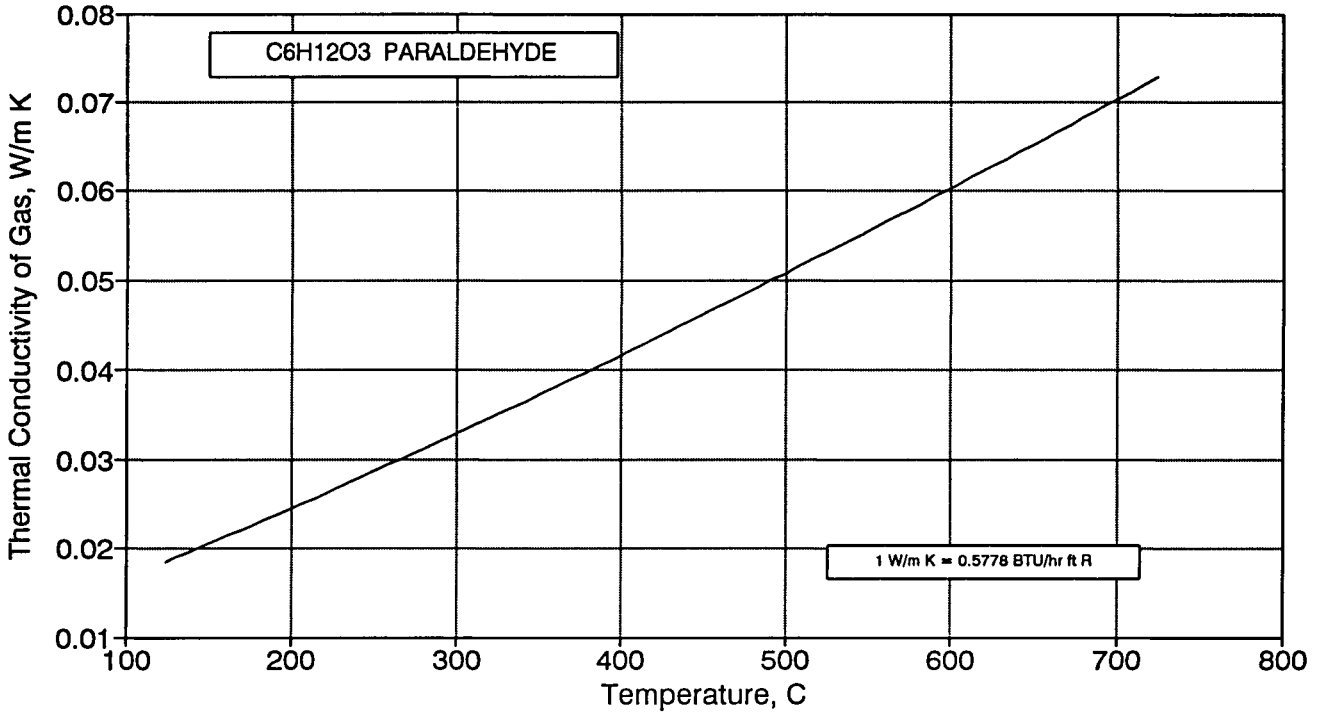

C6H12O2 n-HEXANOIC ACID
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
-50
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

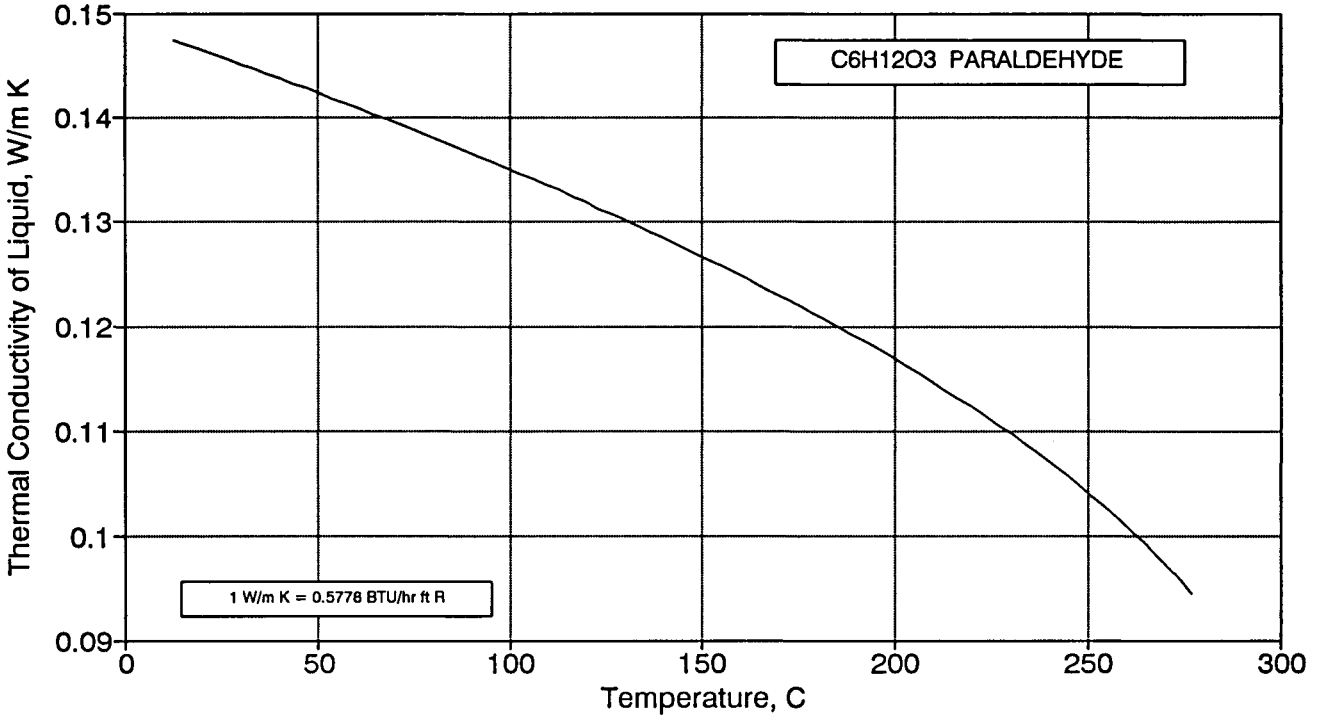

C6H12O3 2-ETHOXYETHYL ACETATE
Thermal Conductivity of Gas, W/m K
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H12O3 2-ETHOXYETHYL ACETATE
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H12O3 HYDROXYCAPROIC ACID
Thermal Conductivity of Gas, W/m K
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
300
350
400
450
500
550
600
650
700
750
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H12O3 HYDROXYCAPROIC ACID
Thermal Conductivity of Liquid, W/m K
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
50
100
150
200
250
300
350
400
450
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H12O3 PARALDEHYDE
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H12O3 PARALDEHYDE
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

C6H12O3 sec-BUTYL GLYCOLATE

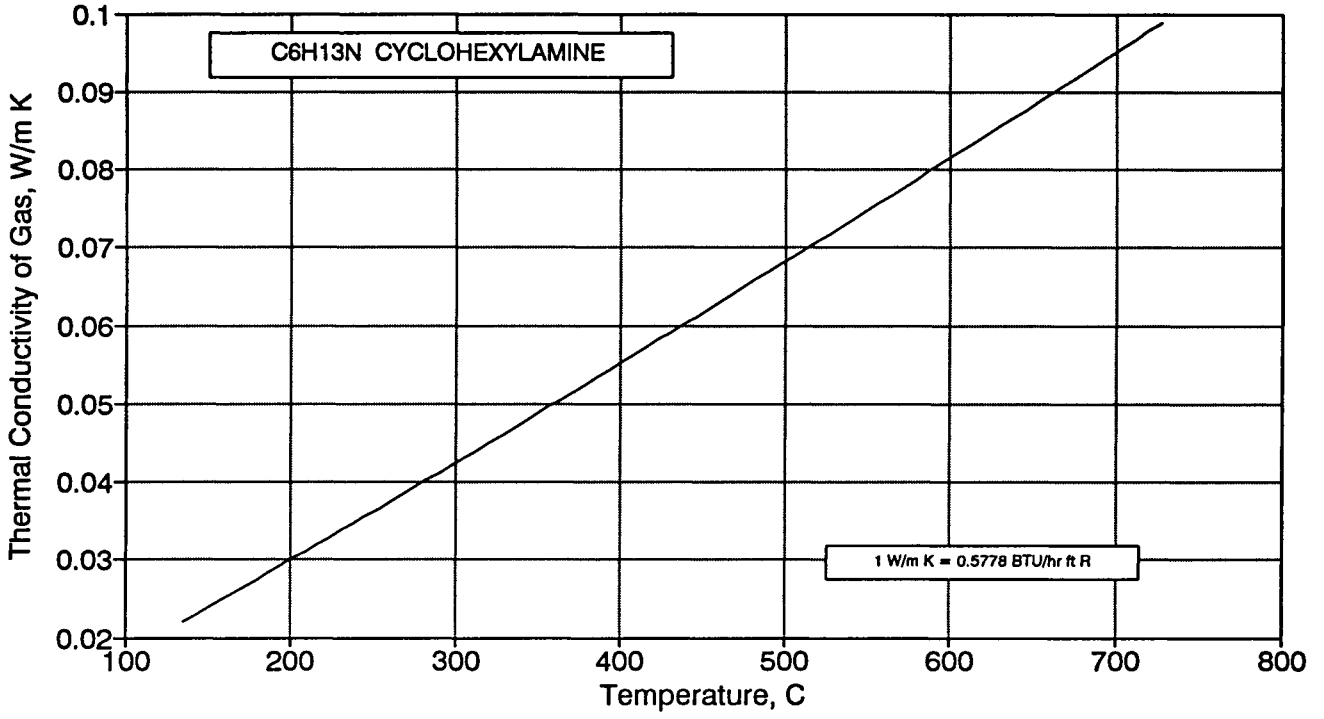
Gas thermal conductivity data are not available .

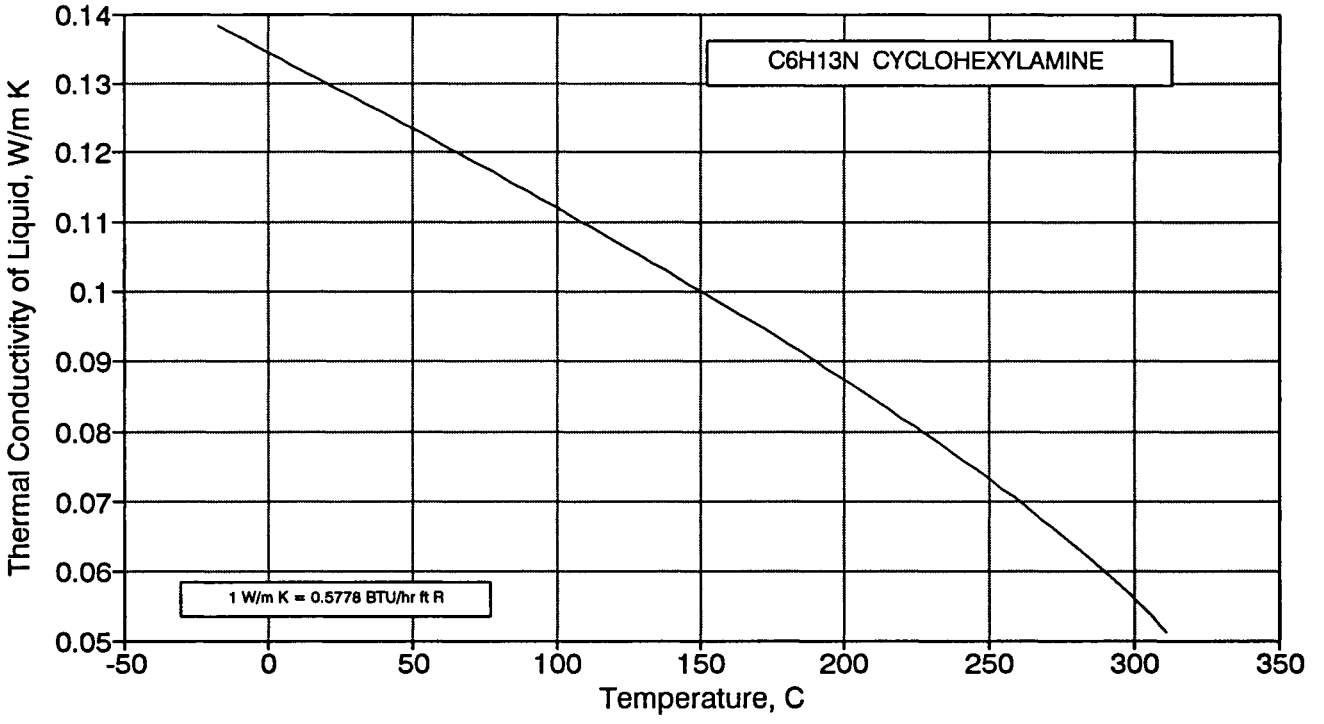
TF , K = 177.85

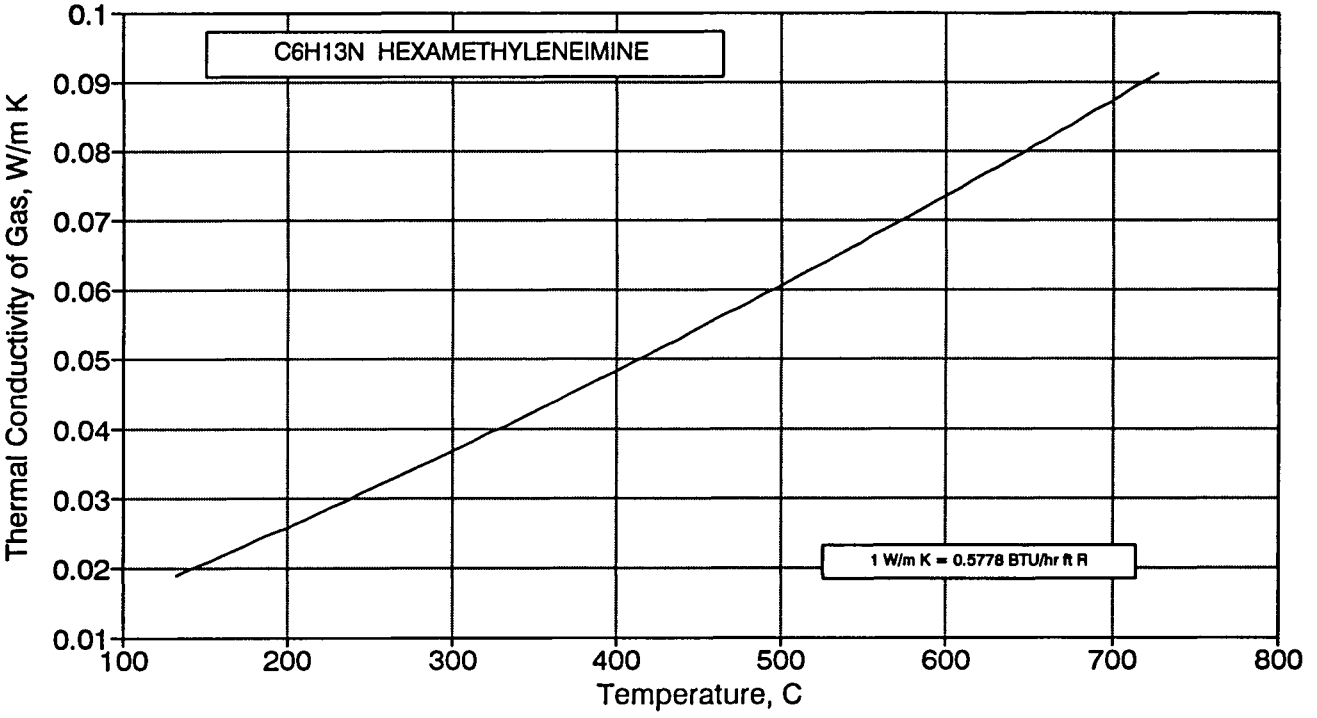
TB , K = 301.45

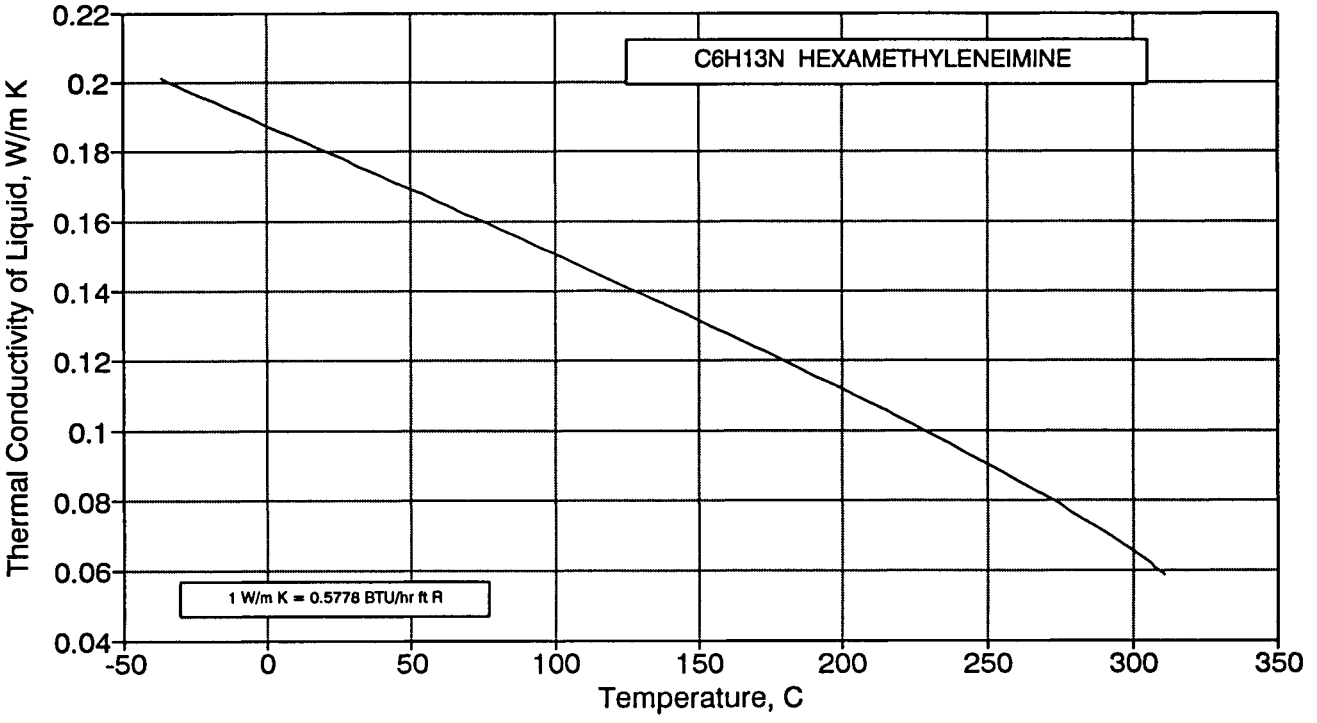
C6H12O3 sec-BUTYL GLYCOLATE

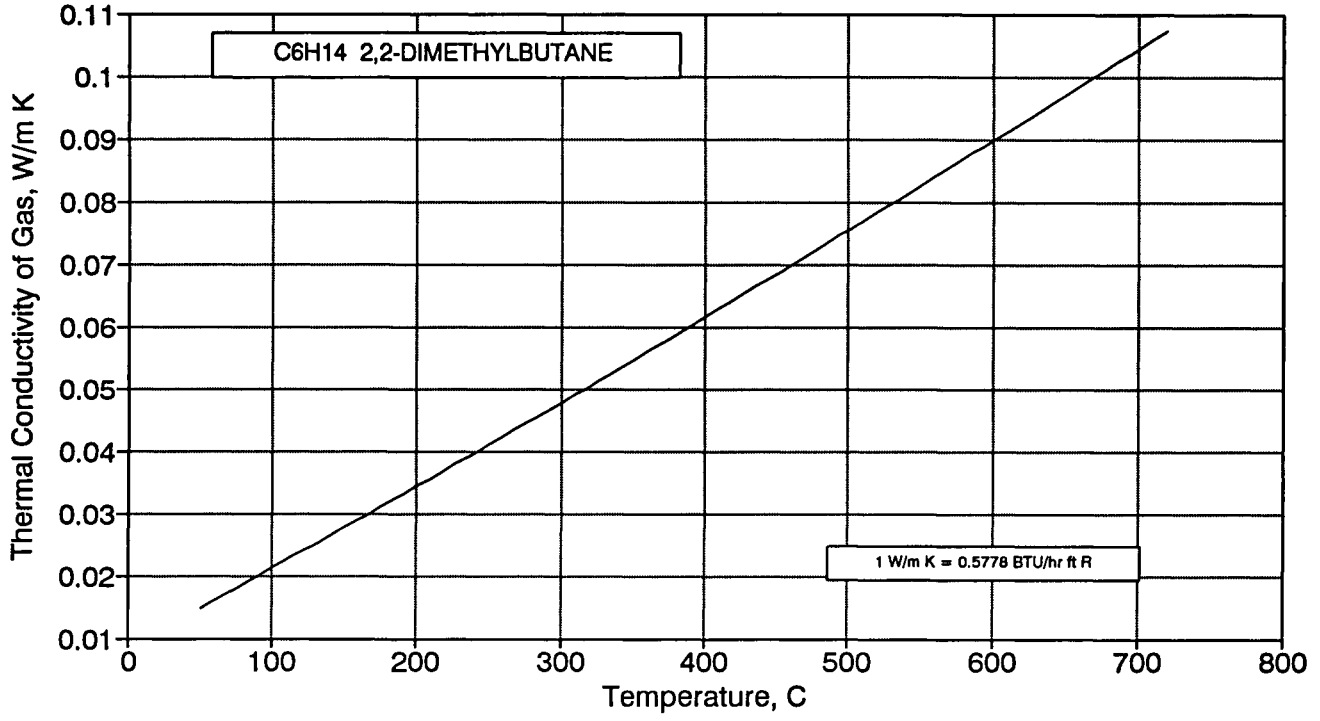
Liquid thermal conductivity data are not available .

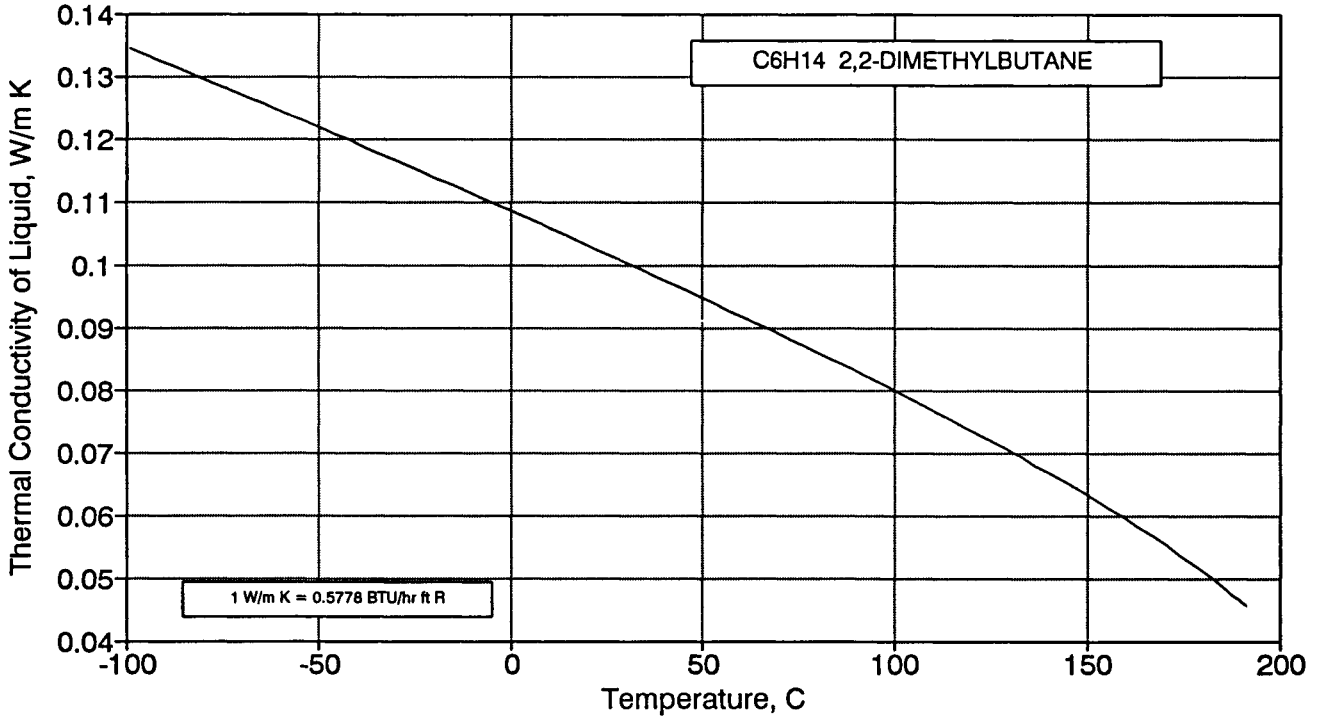

C6H13N CYCLOHEXYLAMINE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

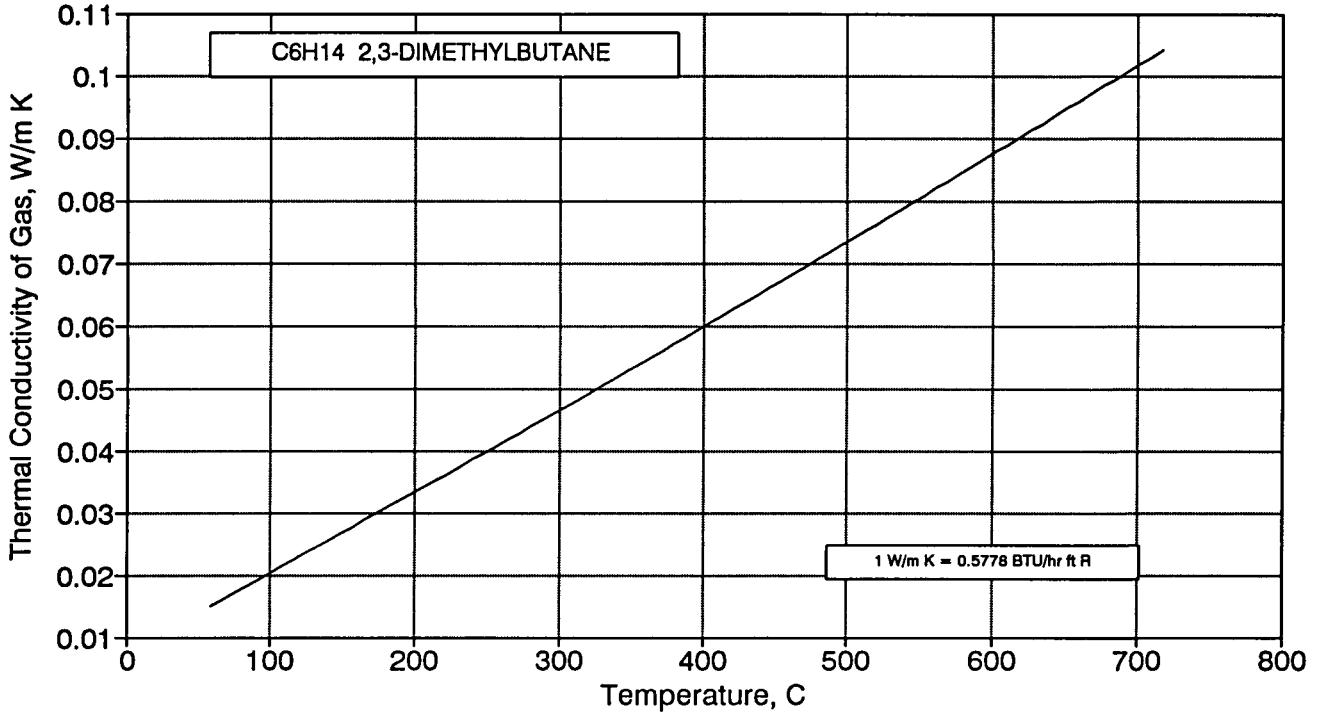

C6H13N CYCLOHEXYLAMINE
Thermal Conductivity of Liquid, W/m K
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

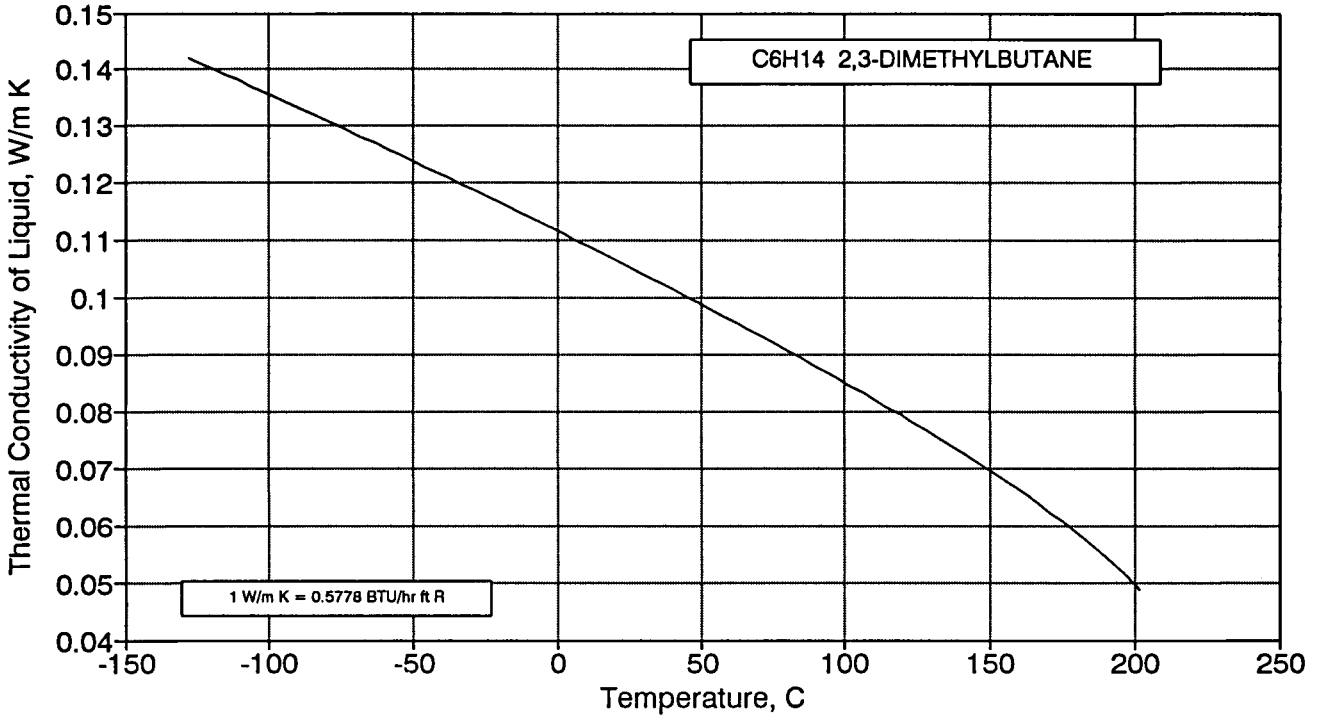

C6H13N HEXAMETHYLENEIMINE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

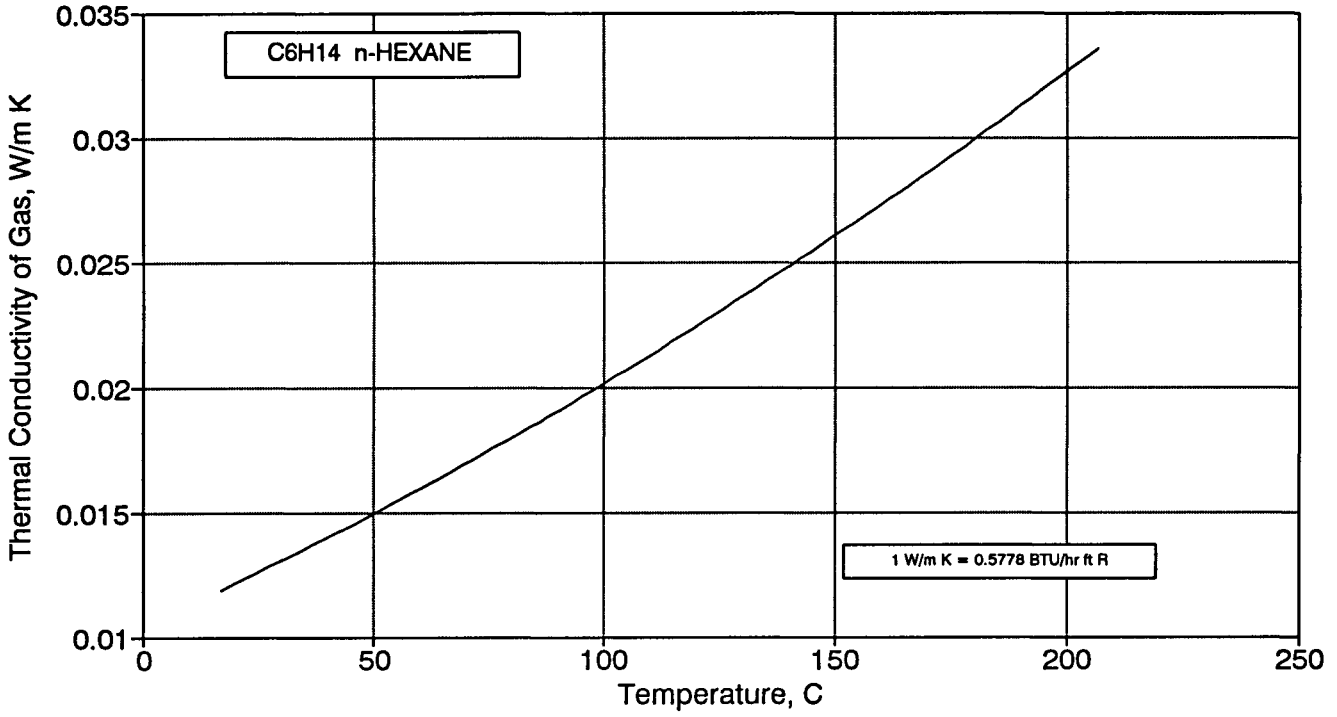

C6H13N HEXAMETHYLENEIMINE
Thermal Conductivity of Liquid, W/m K
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

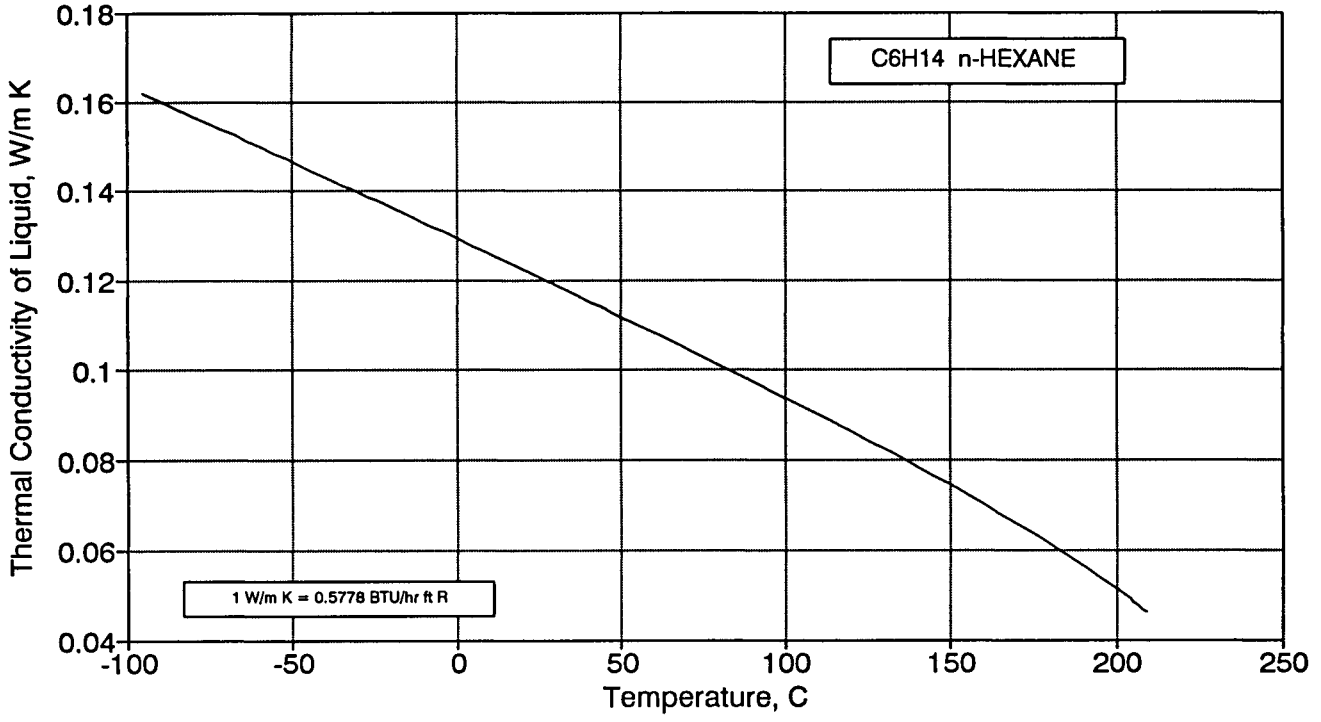

C6H14 2,2-DIMETHYLBUTANE
Thermal Conductivity of Gas, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

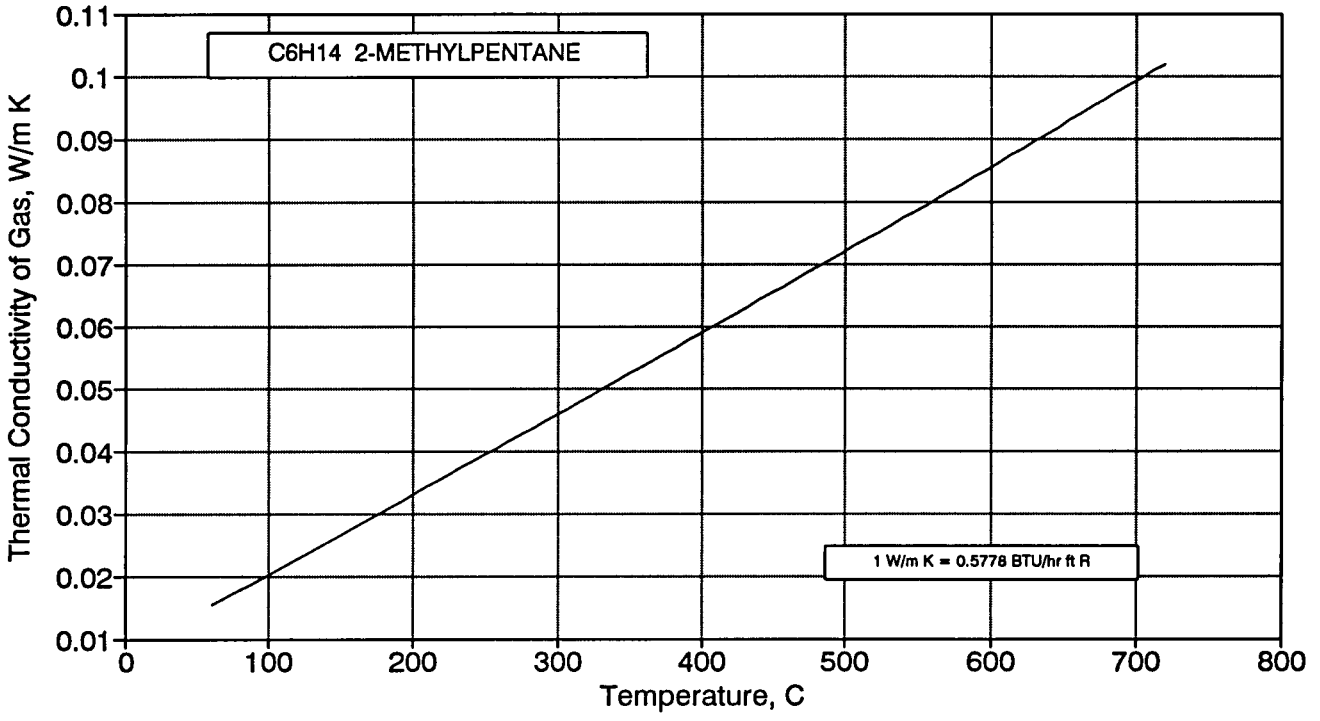

C6H14 2,2-DIMETHYLBUTANE
Thermal Conductivity of Liquid, W/m K
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-100
-50
0
50
100
150
200
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

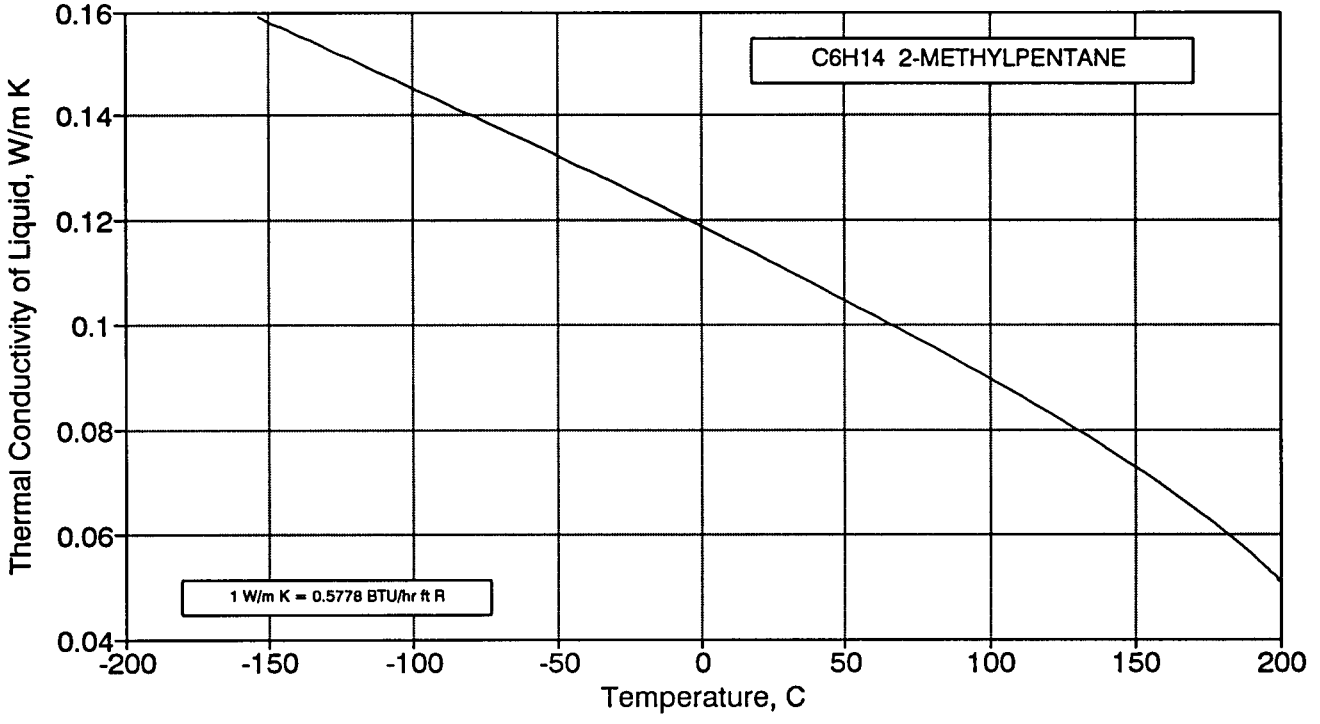

C6H14 2,3-DIMETHYLBUTANE
Thermal Conductivity of Gas, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

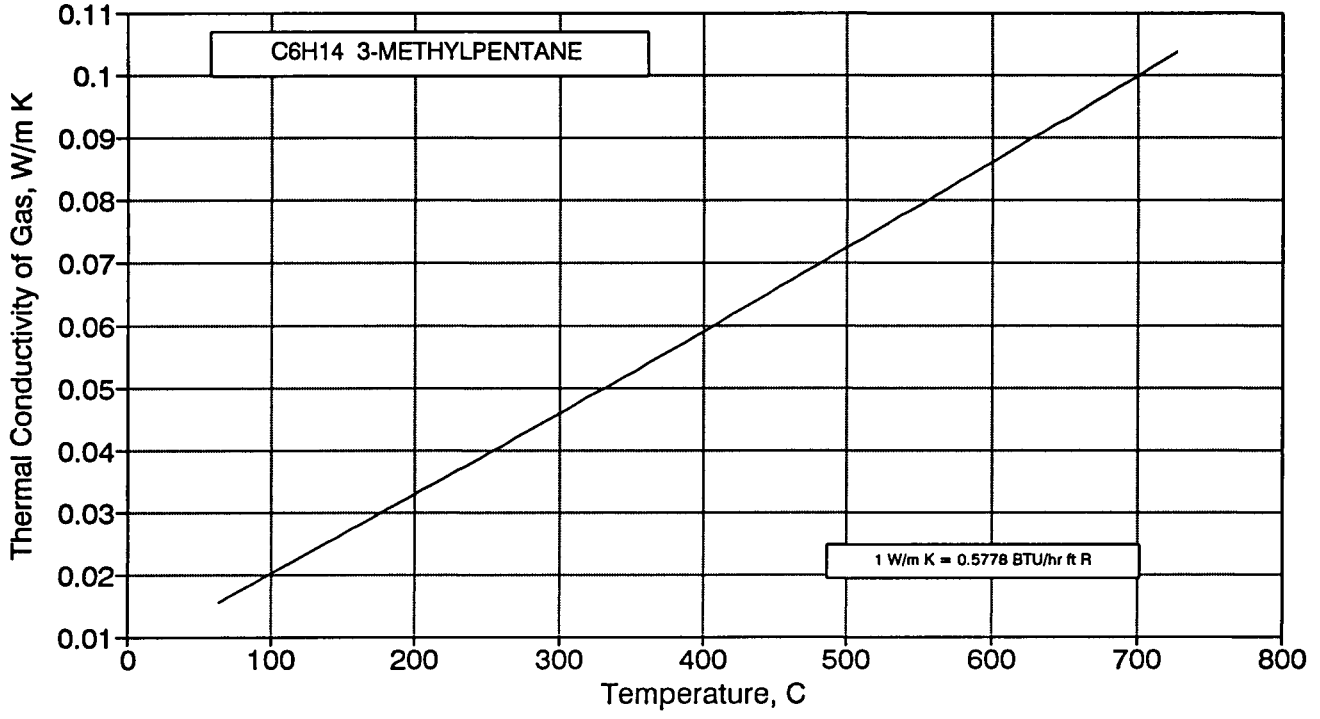

C6H14 2,3-DIMETHYLBUTANE
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

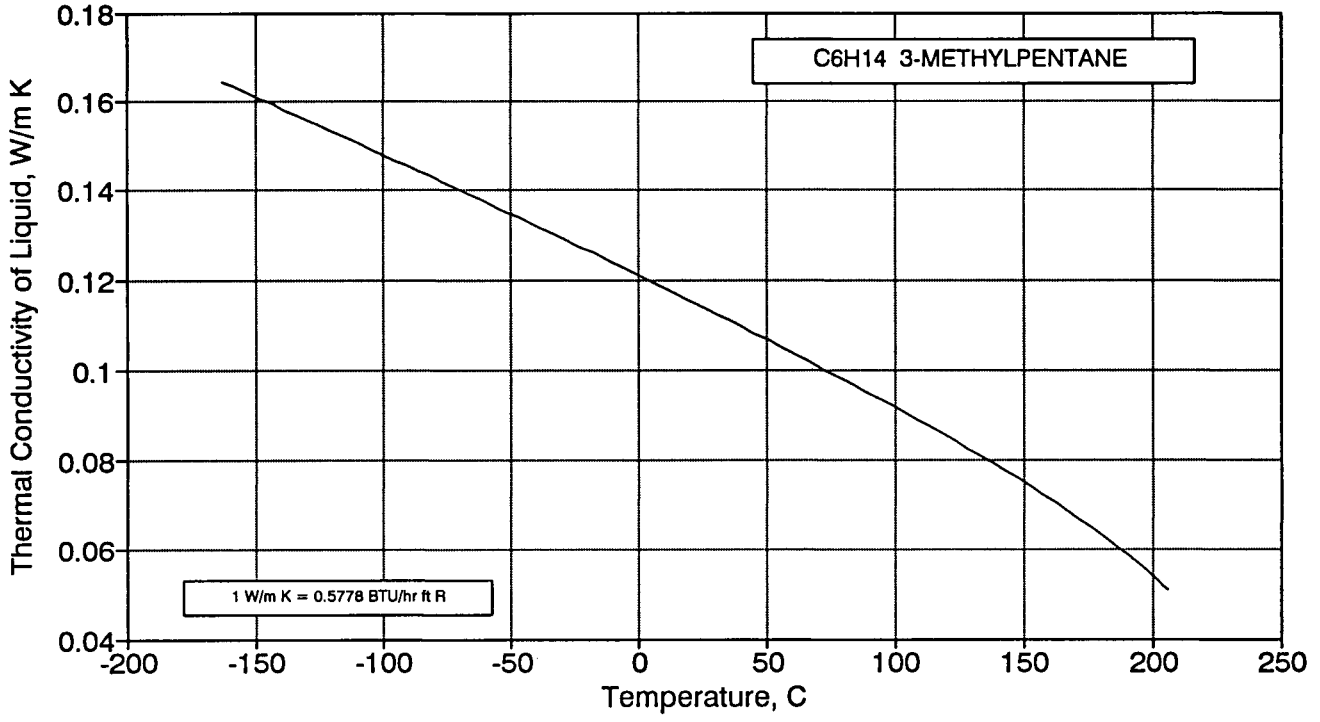

C6H14 n-HEXANE
Thermal Conductivity of Gas, W/m K
0.035
0.03
0.025
0.02
0.015
0.01
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H14 n-HEXANE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H14 2-METHYLPENTANE
Thermal Conductivity of Gas, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H14 2-METHYLPENTANE
Thermal Conductivity of Liquid, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-200
-150
-100
-50
0
50
100
150
200
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H14 3-METHYLPENTANE
Thermal Conductivity of Gas, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

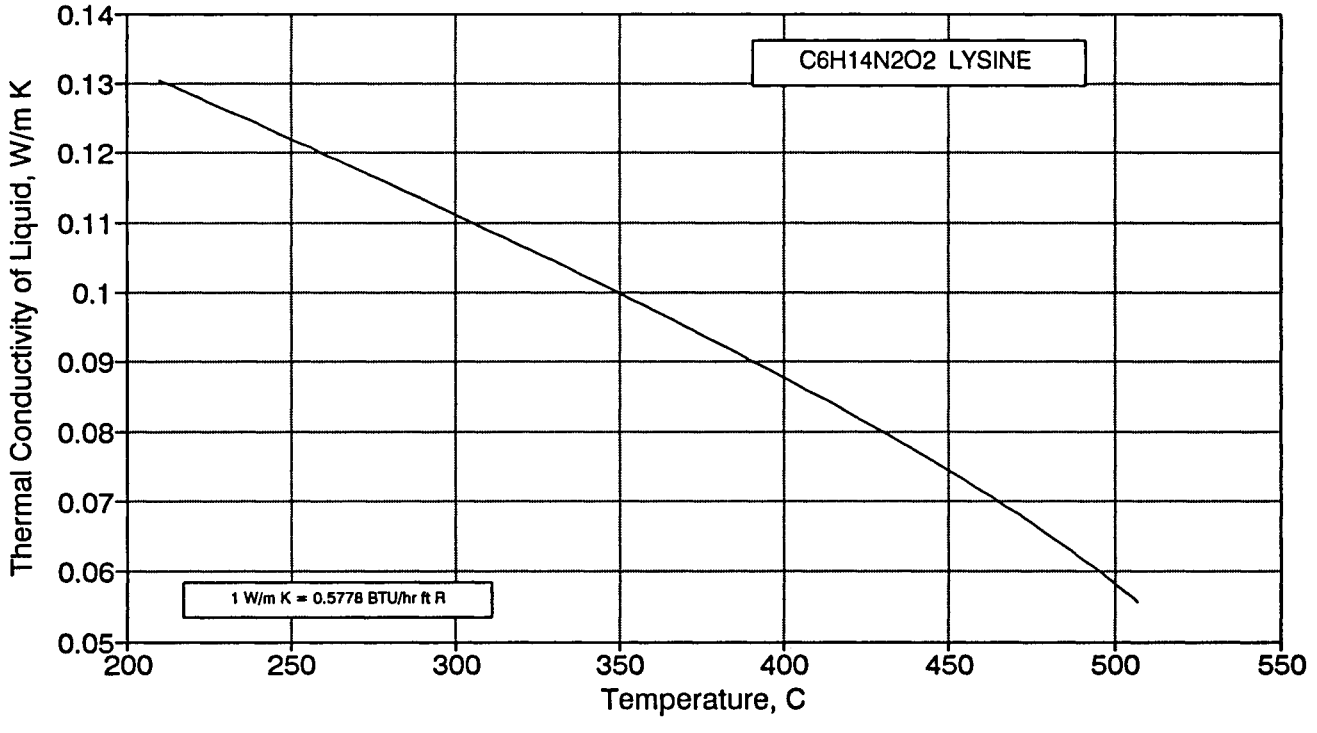

C6H14 3-METHYLPENTANE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-200
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

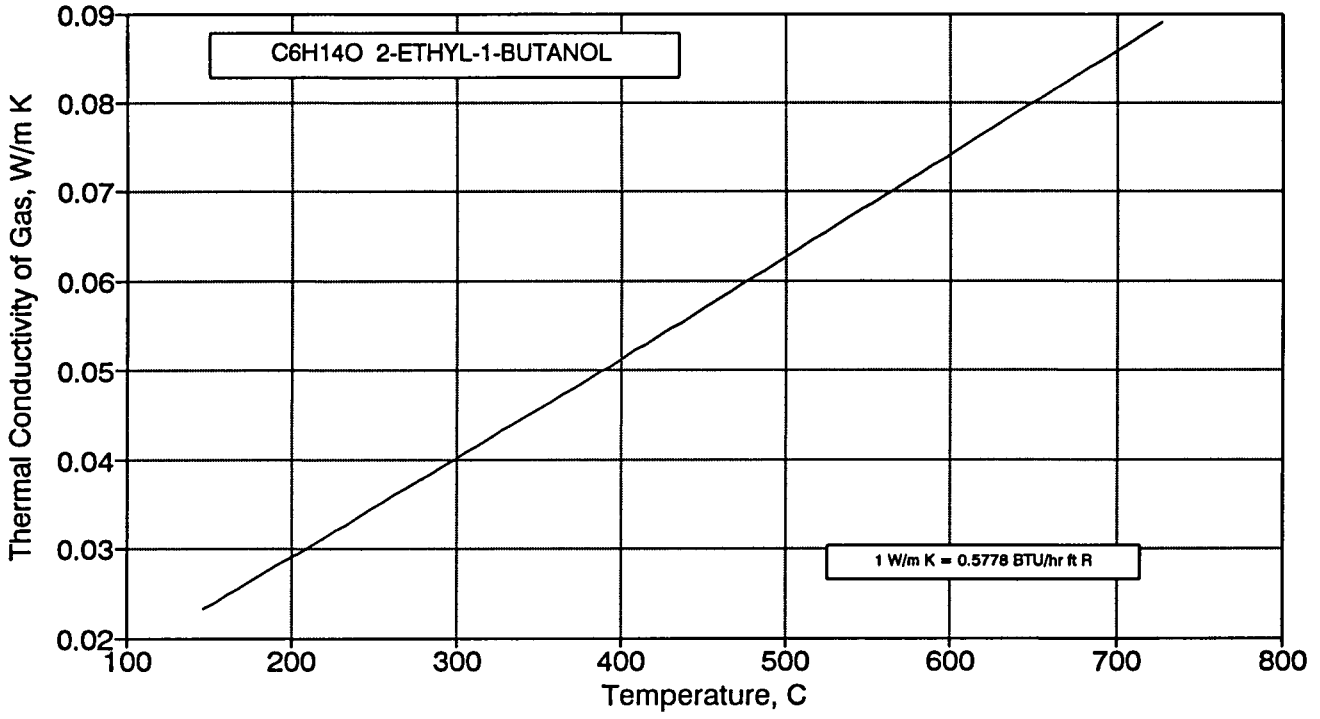
C6H14N2O2 LYSINE

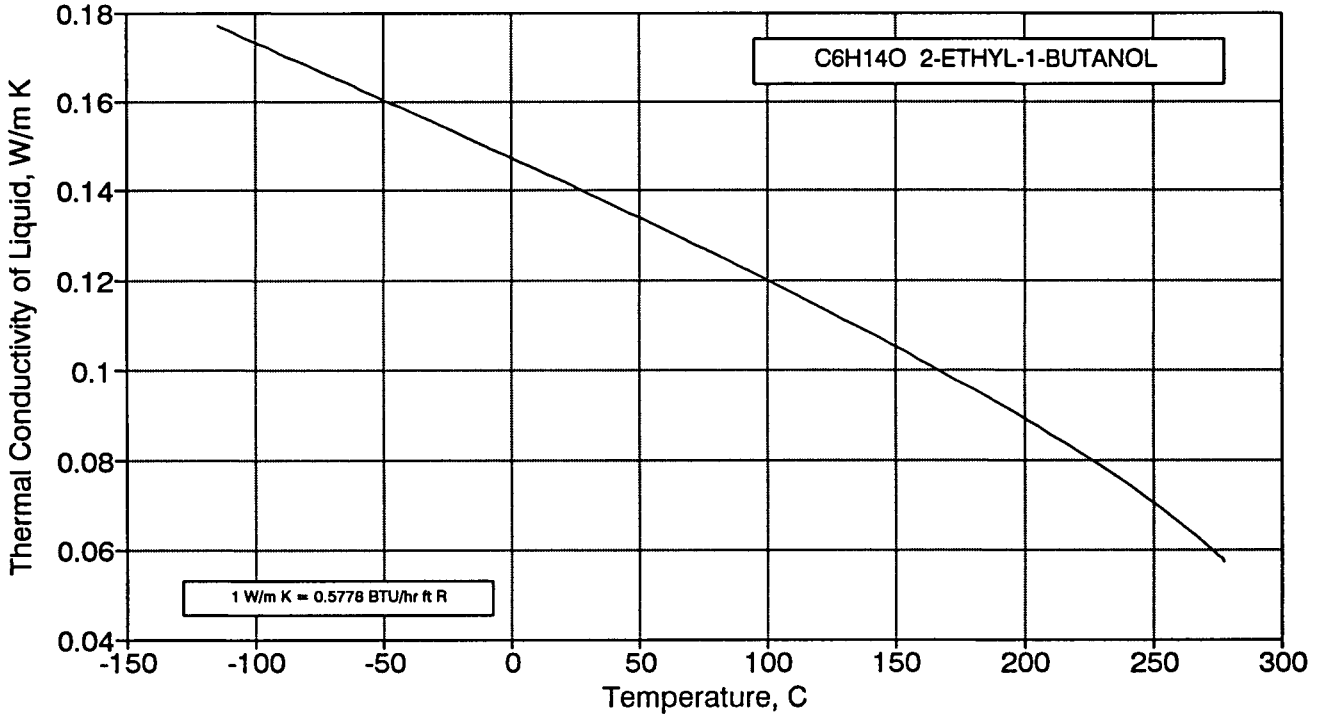
Gas thermal conductivity data are not available .

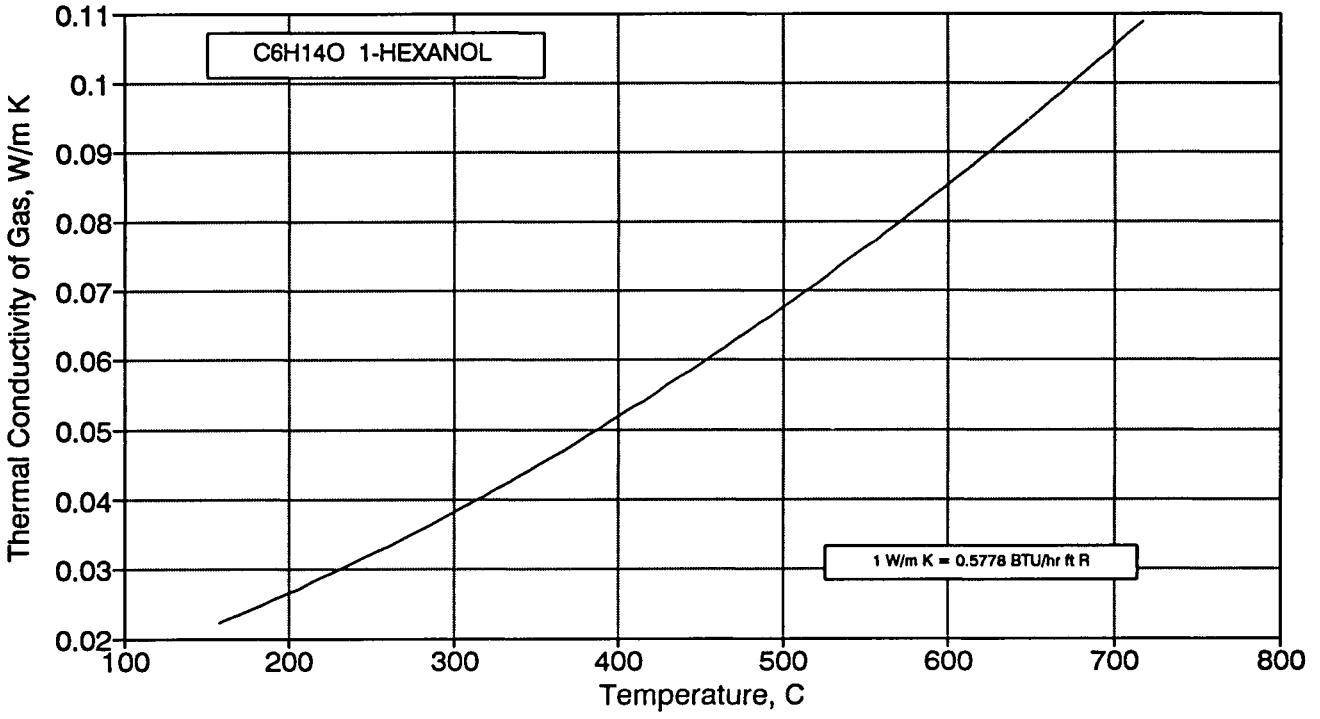
TF , K = 483.00

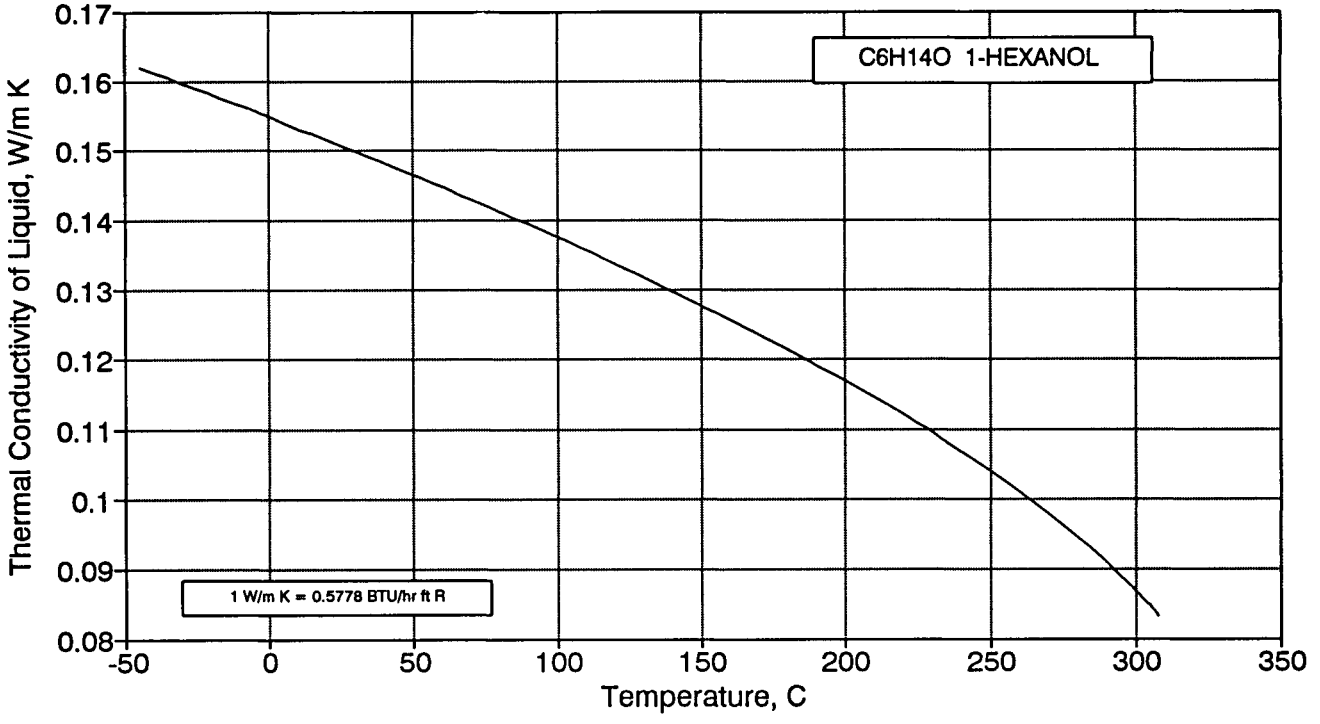
TB , K = 615.00

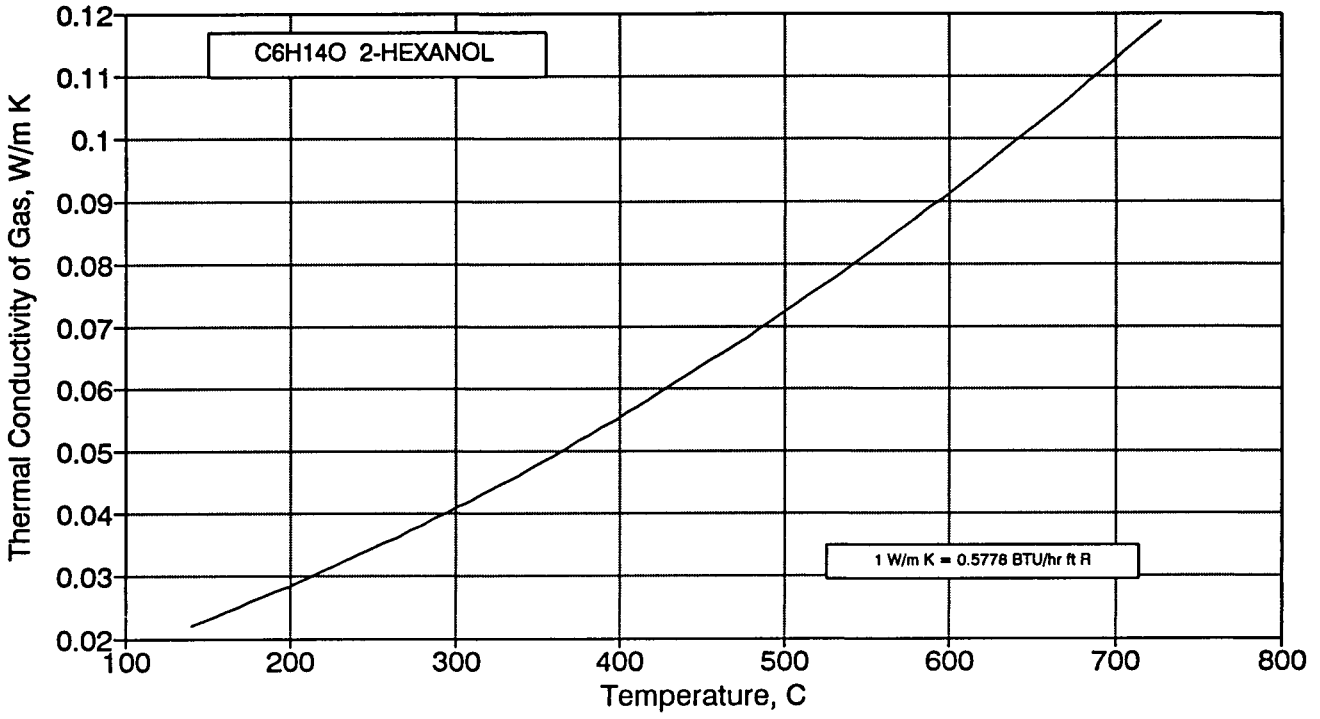


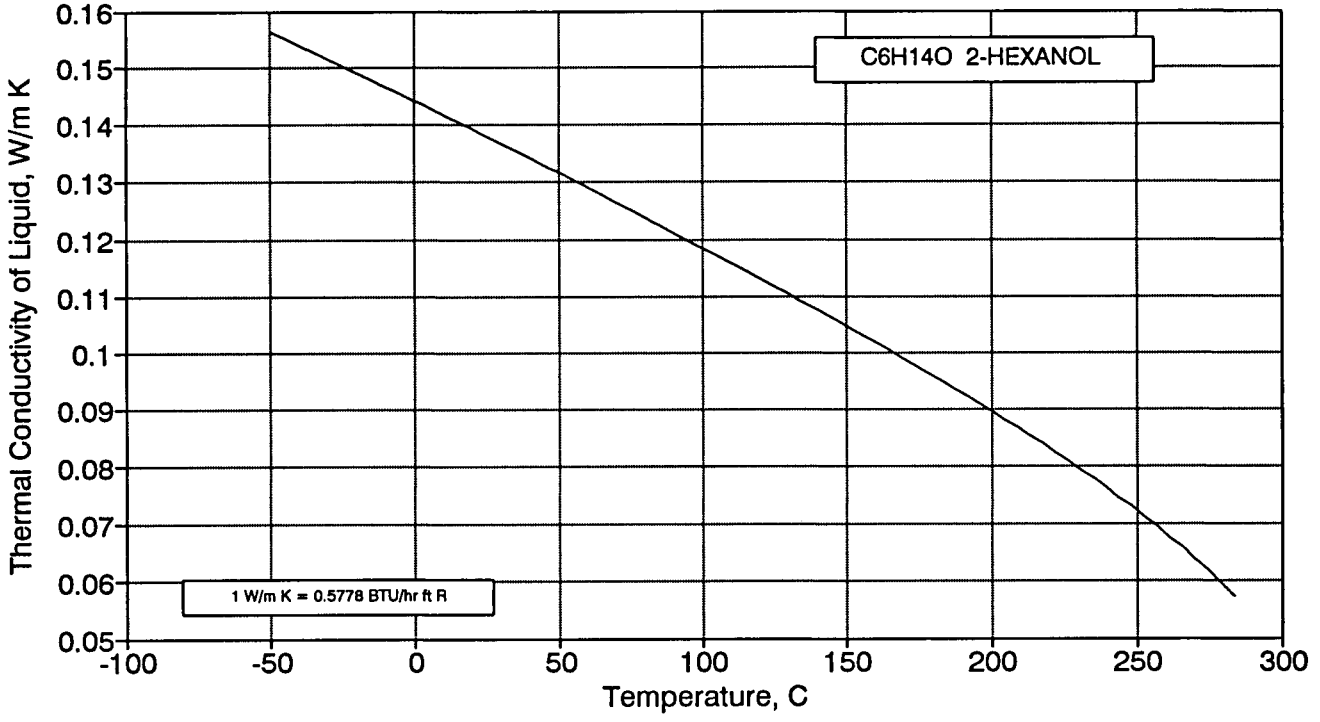

C6H14O 2-ETHYL-1-BUTANOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800
Temperature, C

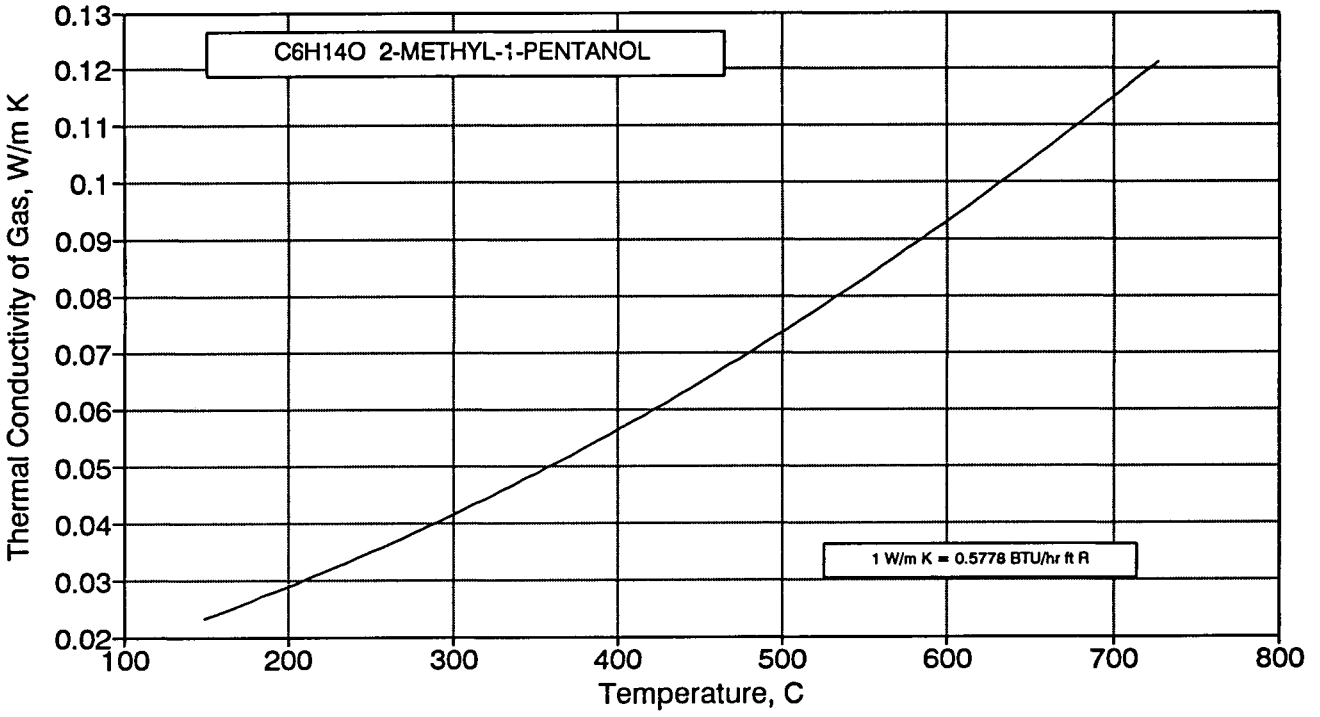

C6H14O 2-ETHYL-1-BUTANOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250
300
Temperature, C

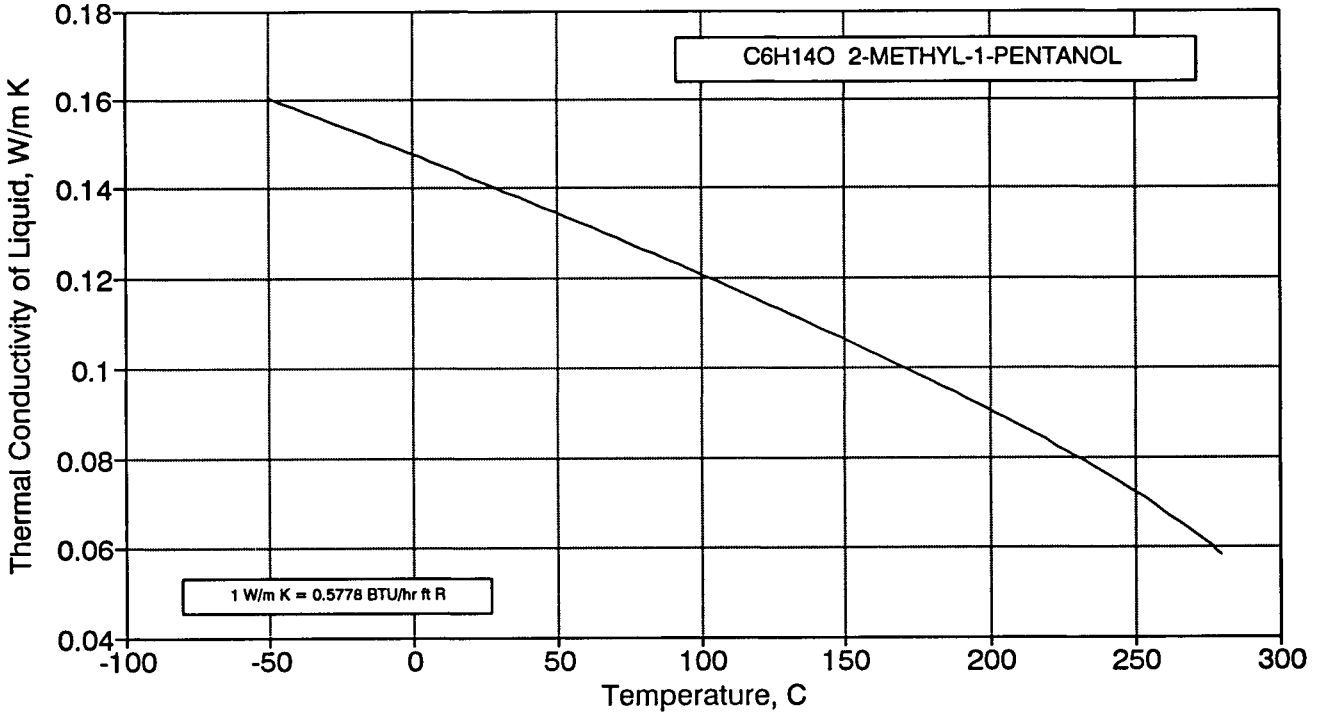

C6H14O 1-HEXANOL
Thermal Conductivity of Gas, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

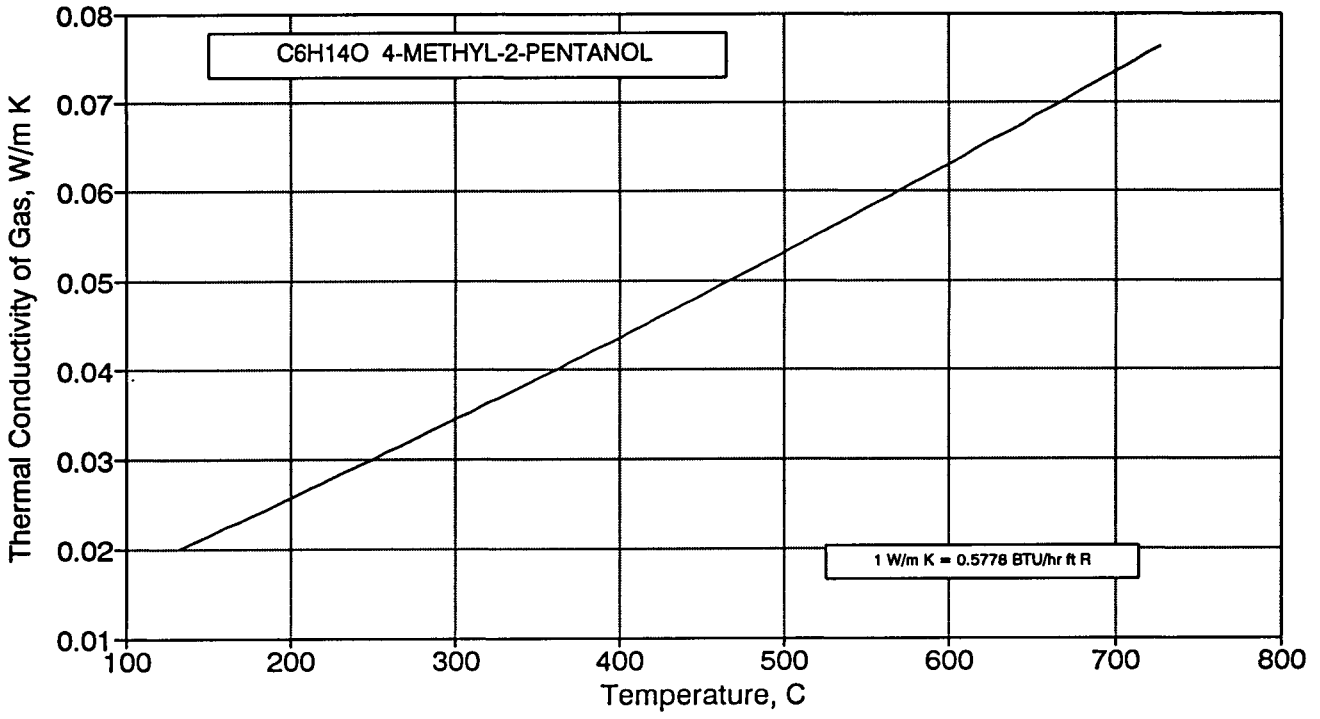

C6H14O 1-HEXANOL
Thermal Conductivity of Liquid, W/m K
0.17
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

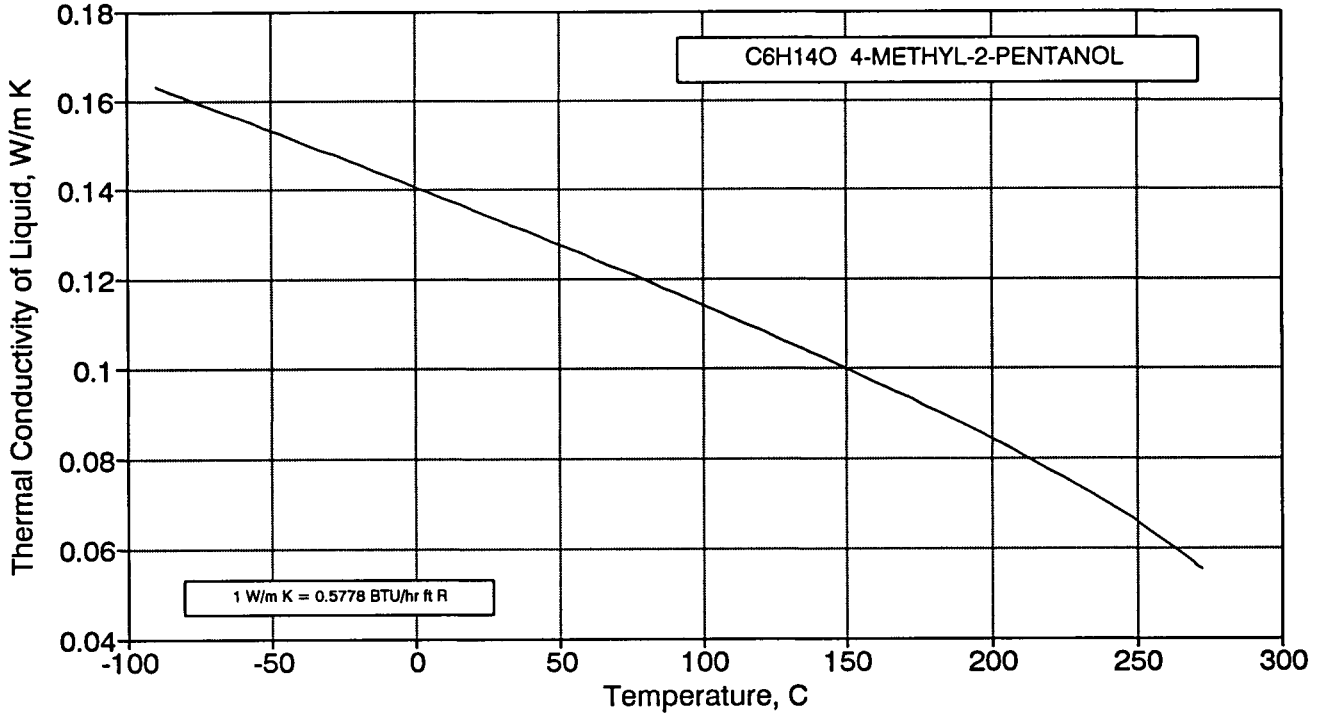

C6H14O 2-HEXANOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800

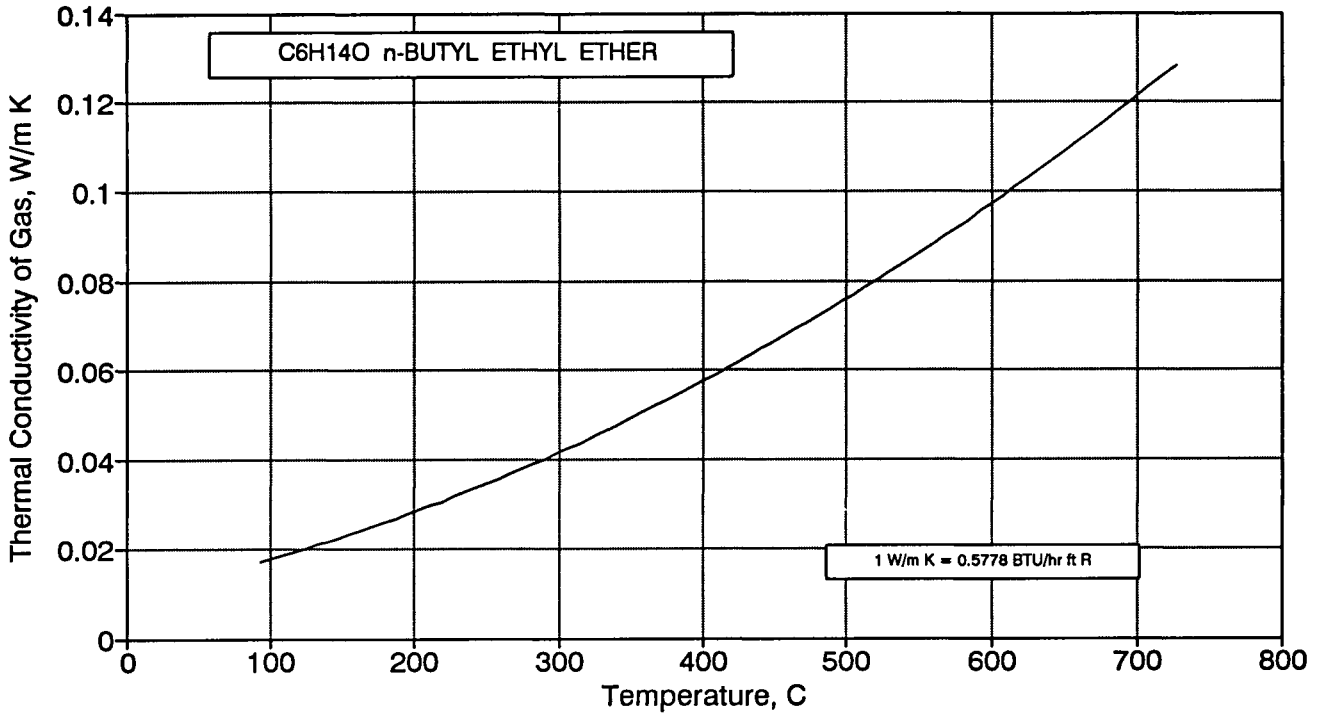

C6H14O 2-HEXANOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
-100
-50
0
50
100
150
200
250
300

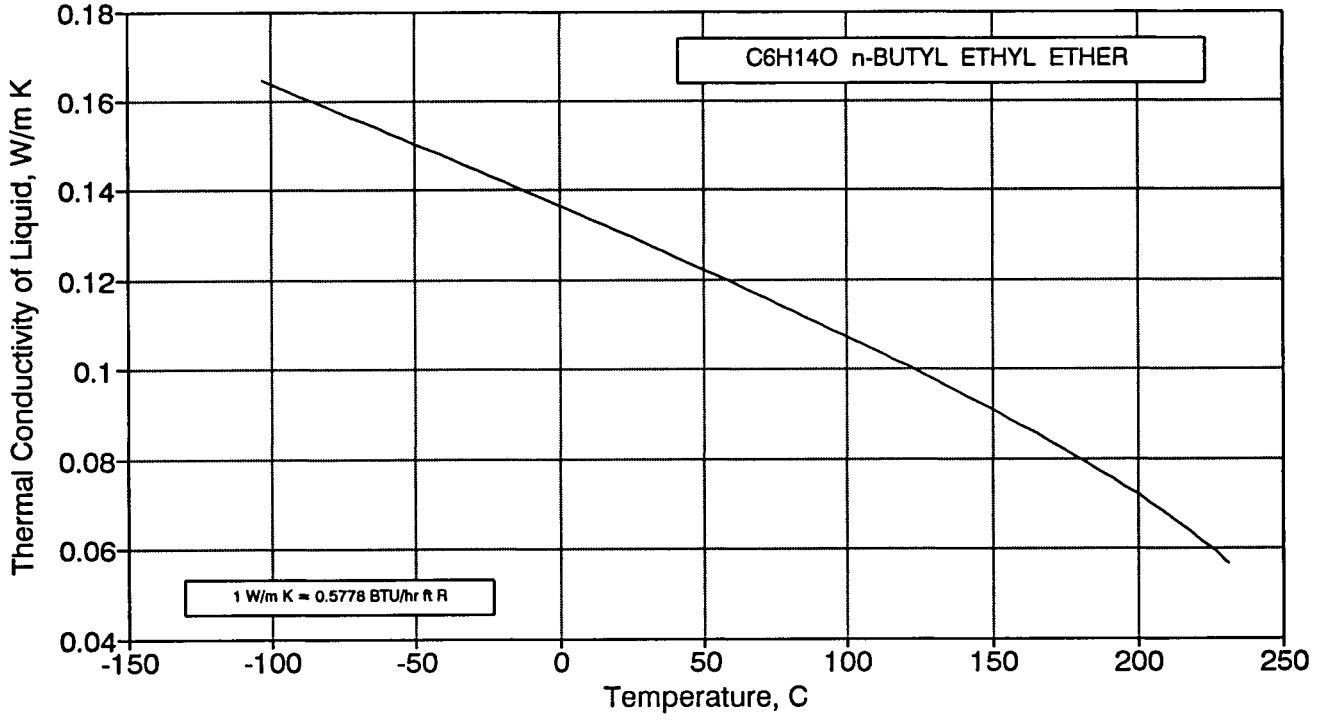

C6H14O 2-METHYL-1-PENTANOL
Thermal Conductivity of Gas, W/m K
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

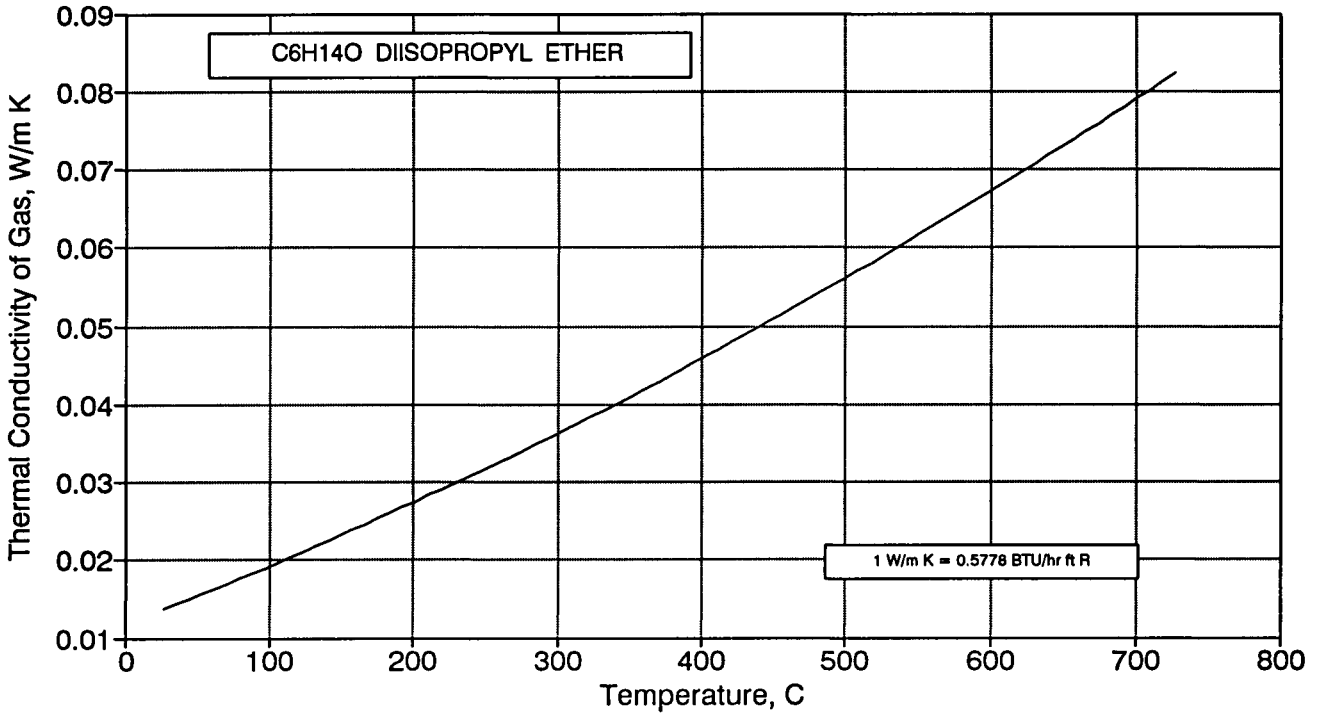

C6H14O 2-METHYL-1-PENTANOL
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

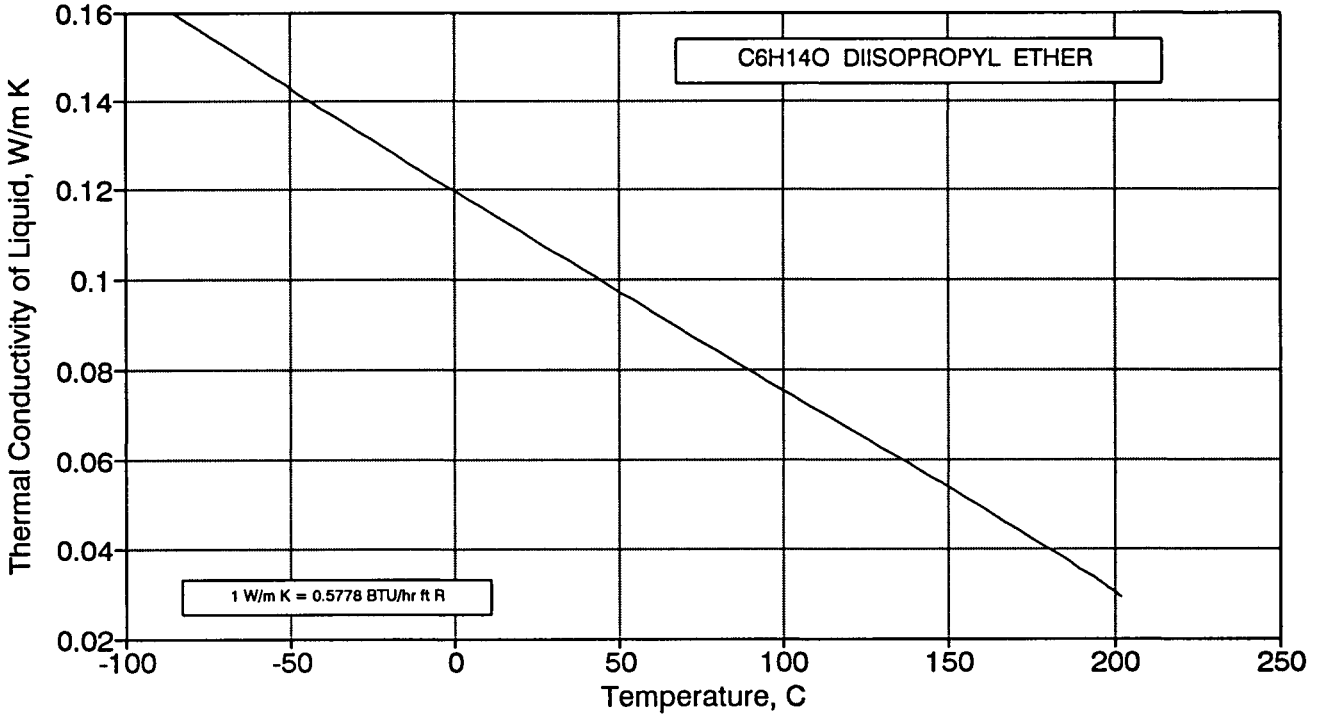

C6H14O 4-METHYL-2-PENTANOL
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

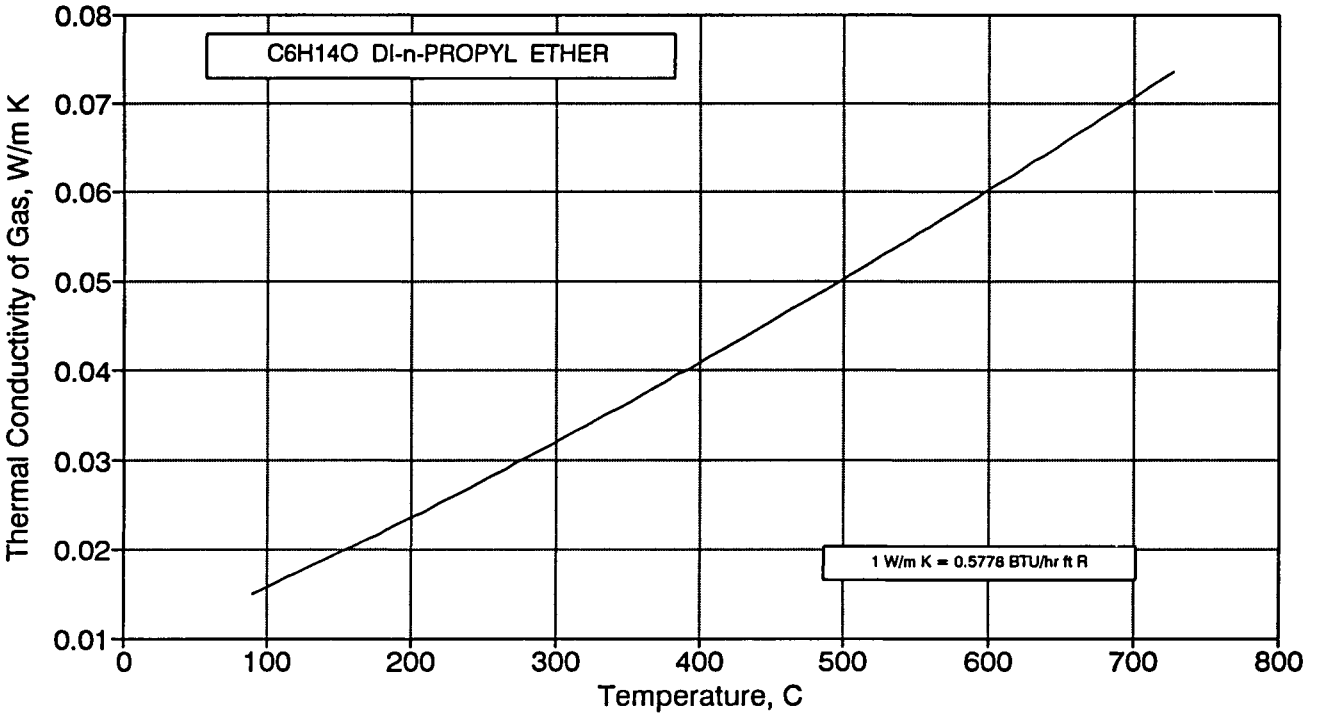

C6H14O 4-METHYL-2-PENTANOL
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

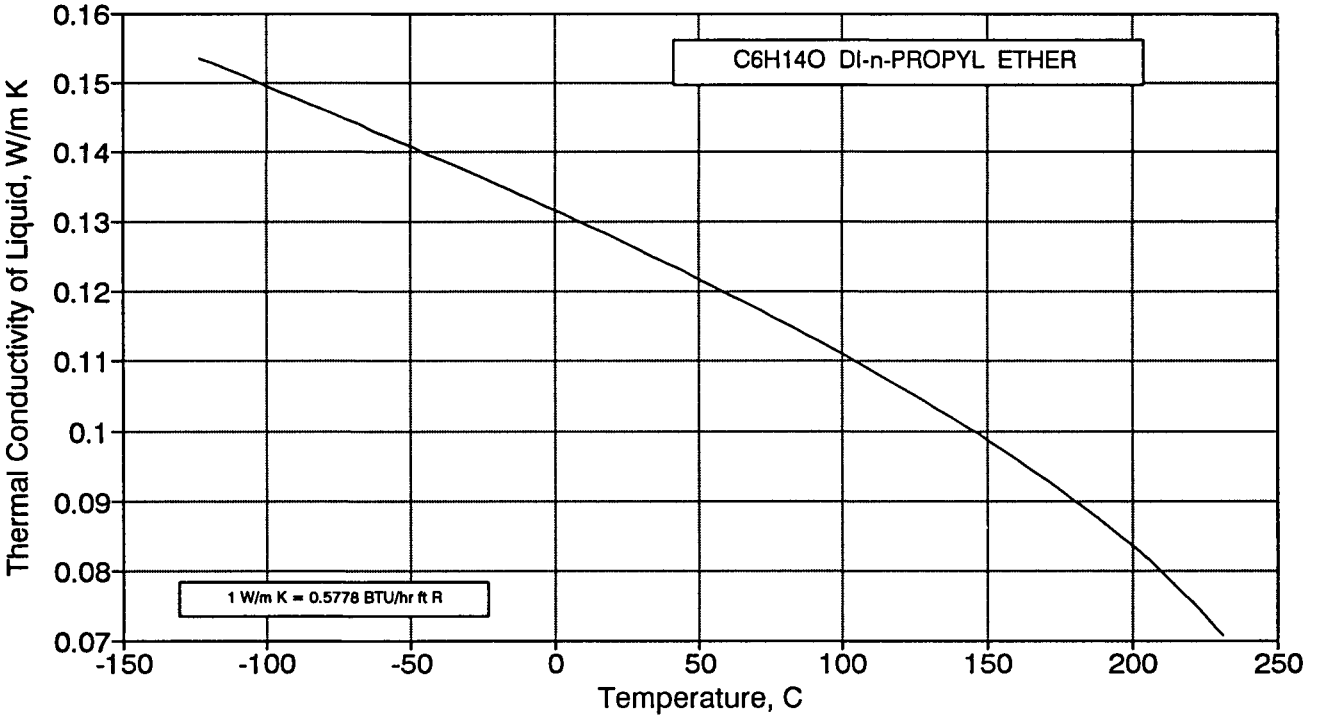

C6H14O n-BUTYL ETHYL ETHER
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0
100
200
300
400
500
600
700
800

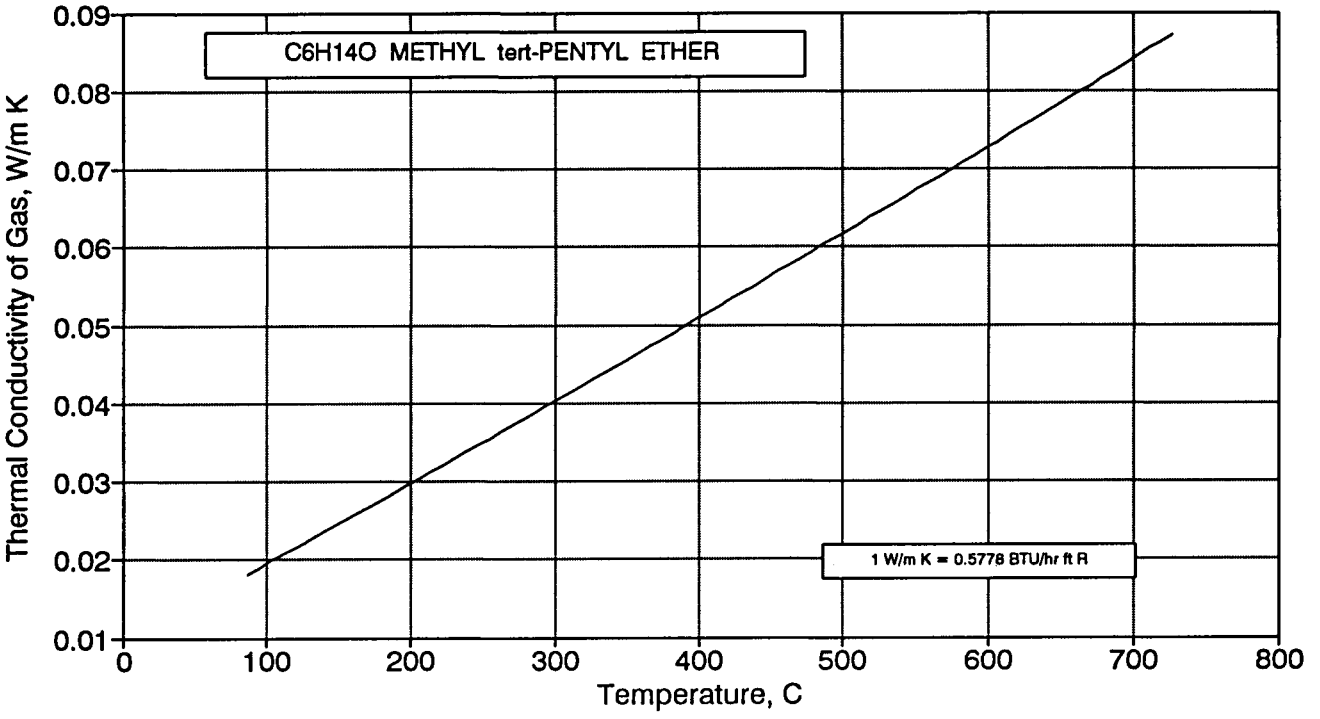

C6H14O n-BUTYL ETHYL ETHER
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250

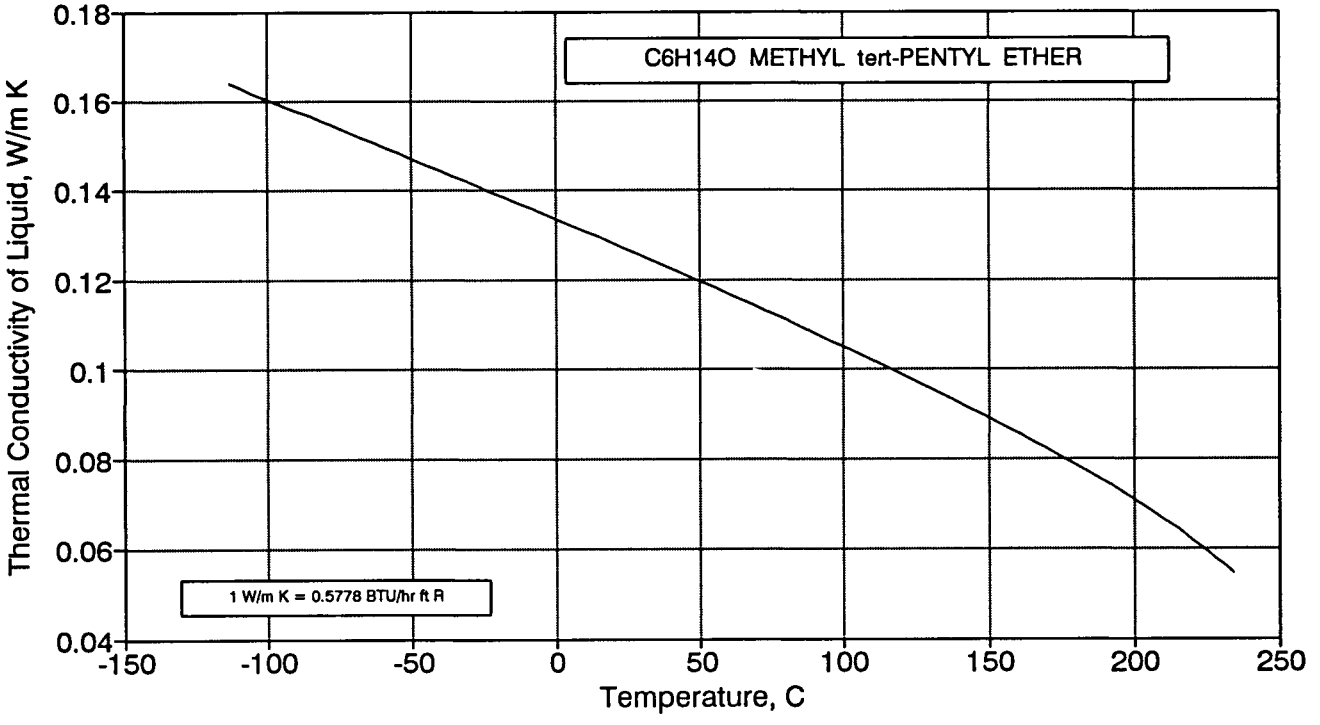

C6H14O DIISOPROPYL ETHER
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800

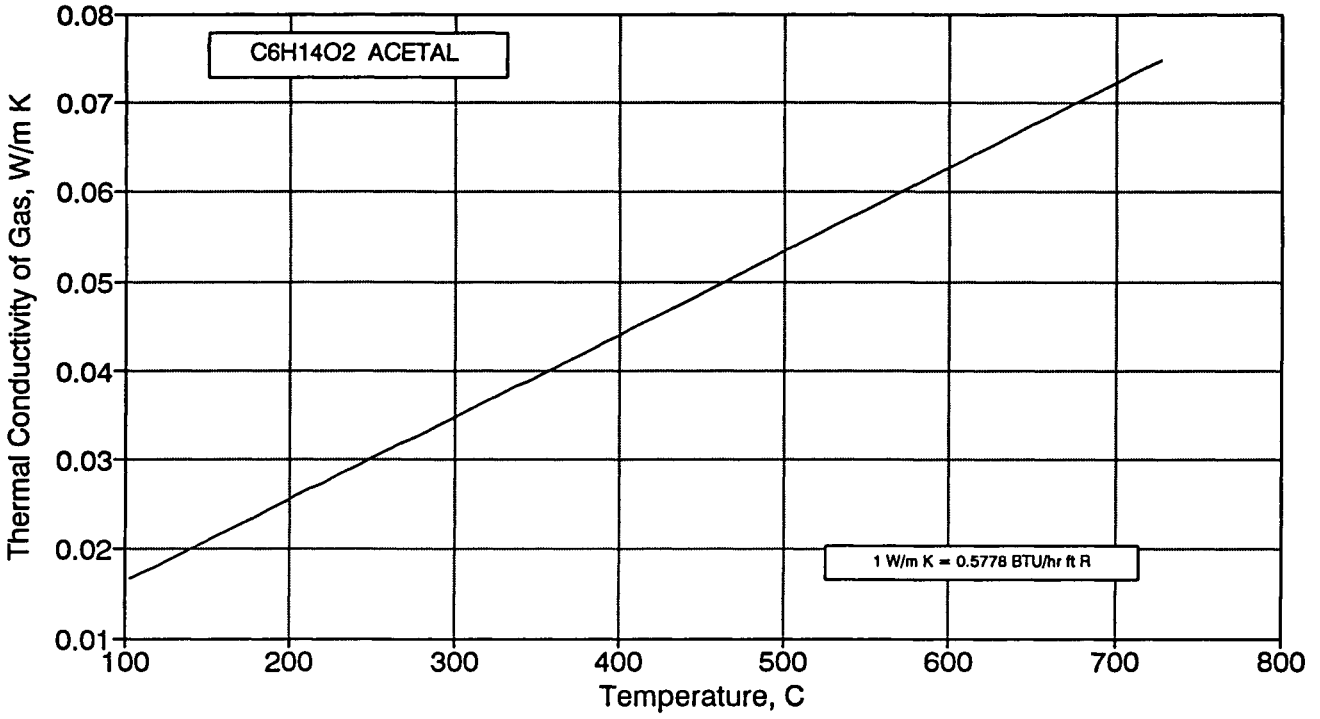

C6H14O DIISOPROPYL ETHER
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
-100
-50
0
50
100
150
200
250

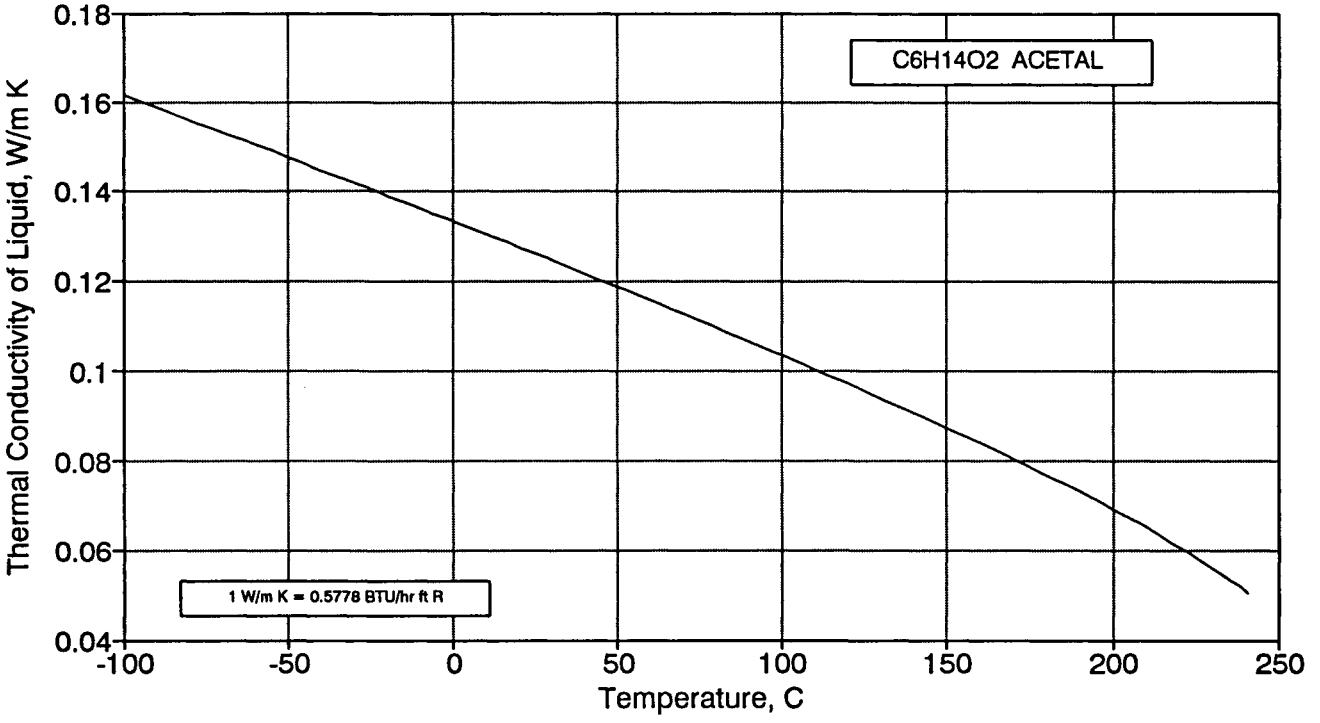

C6H14O DI-n-PROPYL ETHER
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

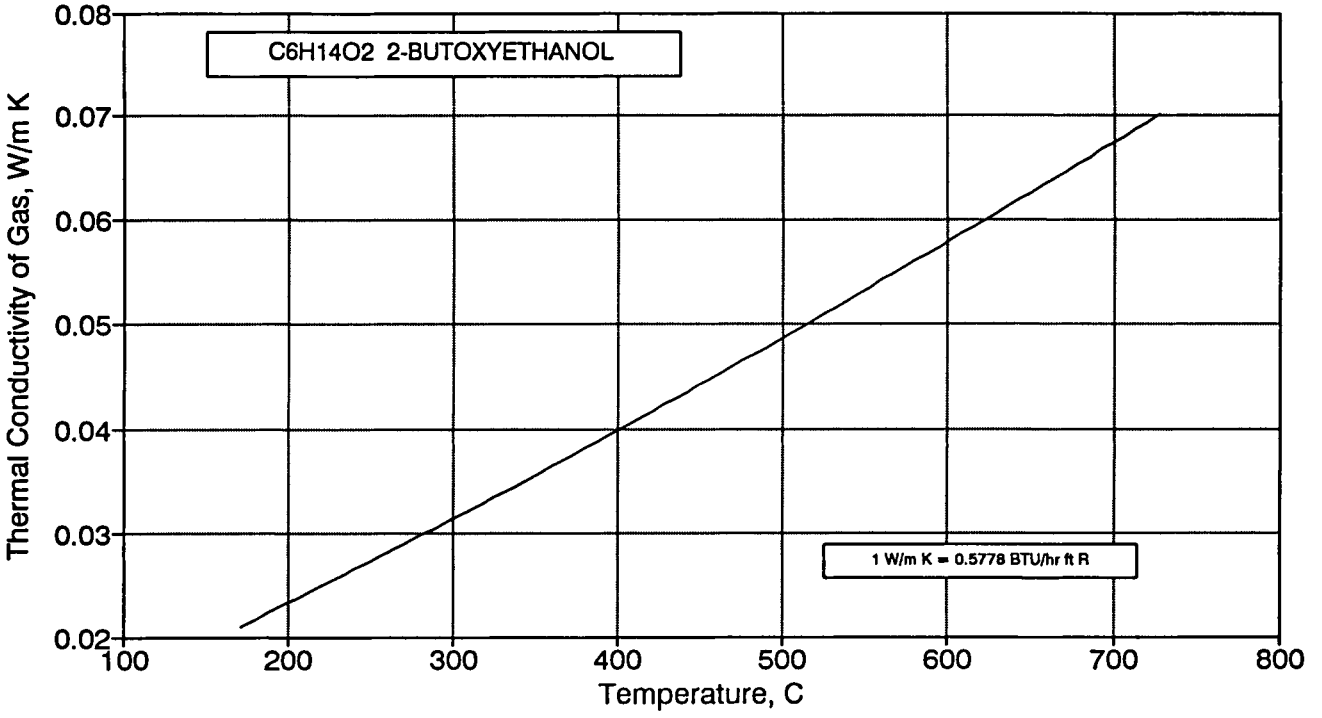

C6H14O DI-n-PROPYL ETHER
Thermal Conductivity of Liquid, W/m K
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

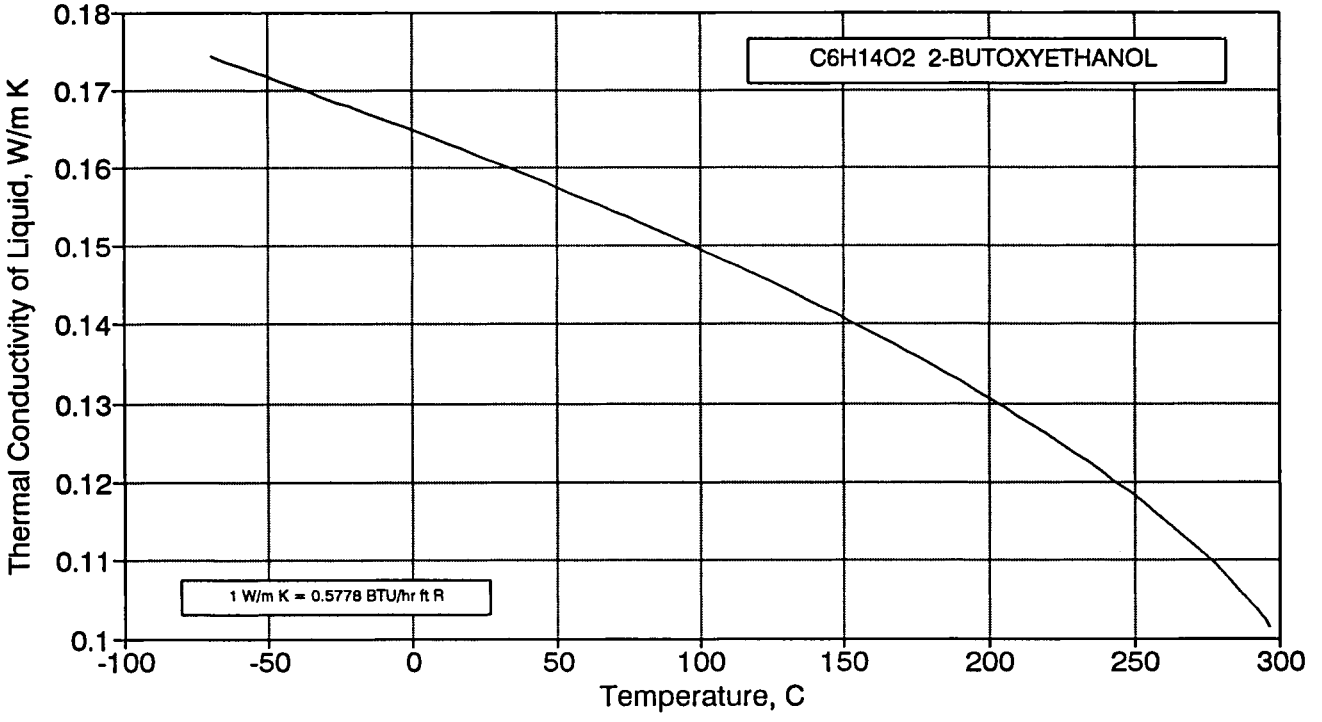

C6H14O METHYL tert-PENTYL ETHER
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

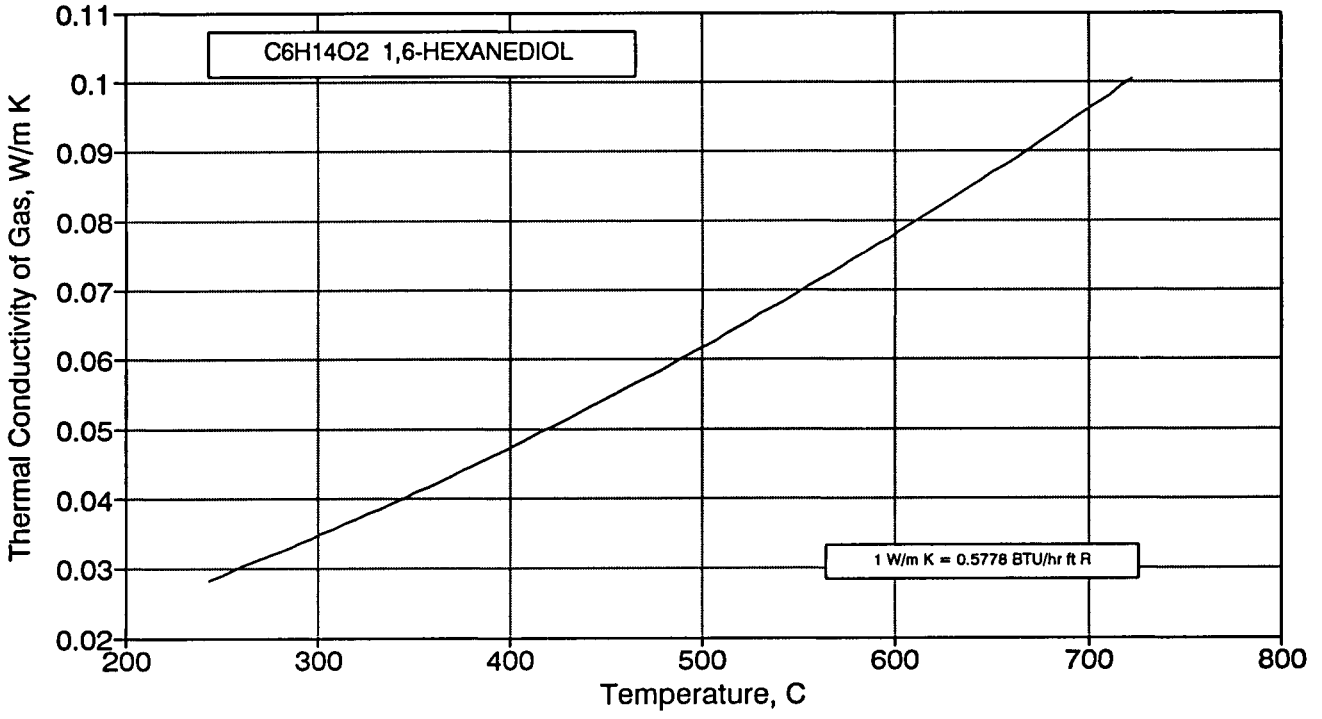

C6H14O METHYL tert-PENTYL ETHER
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

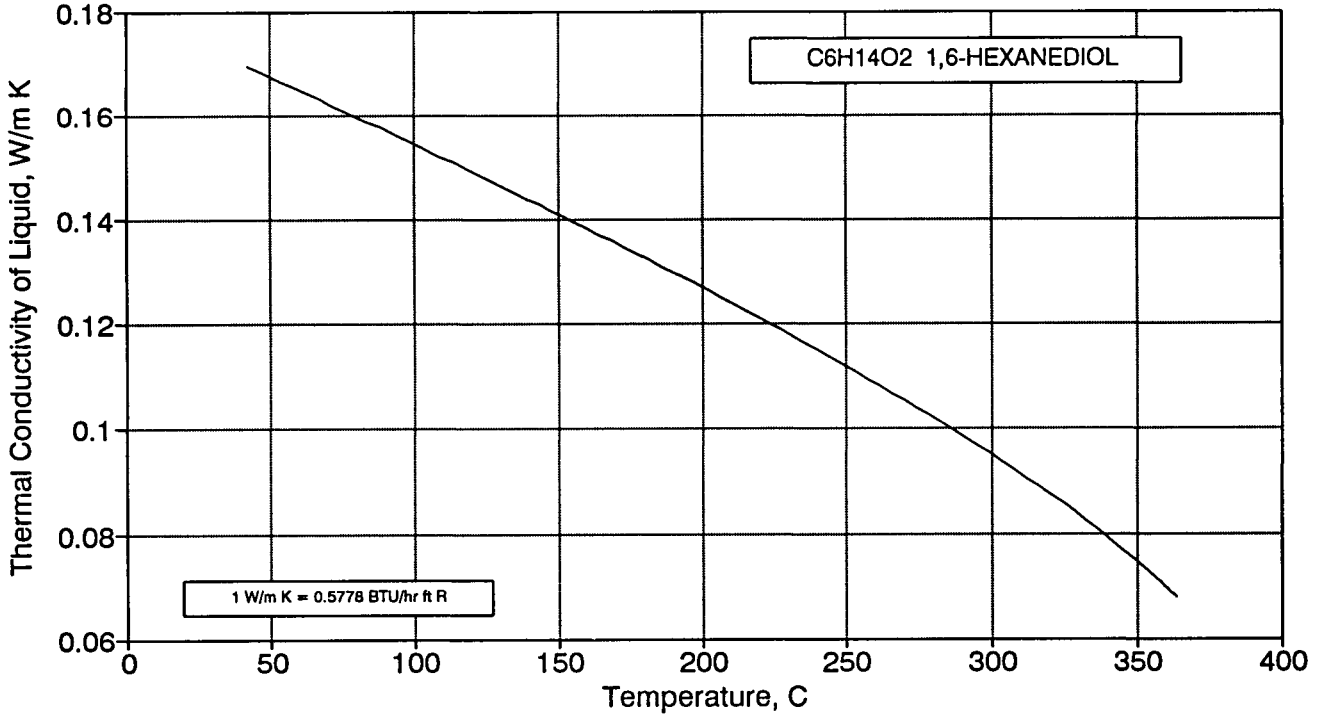

C6H14O2 ACETAL
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

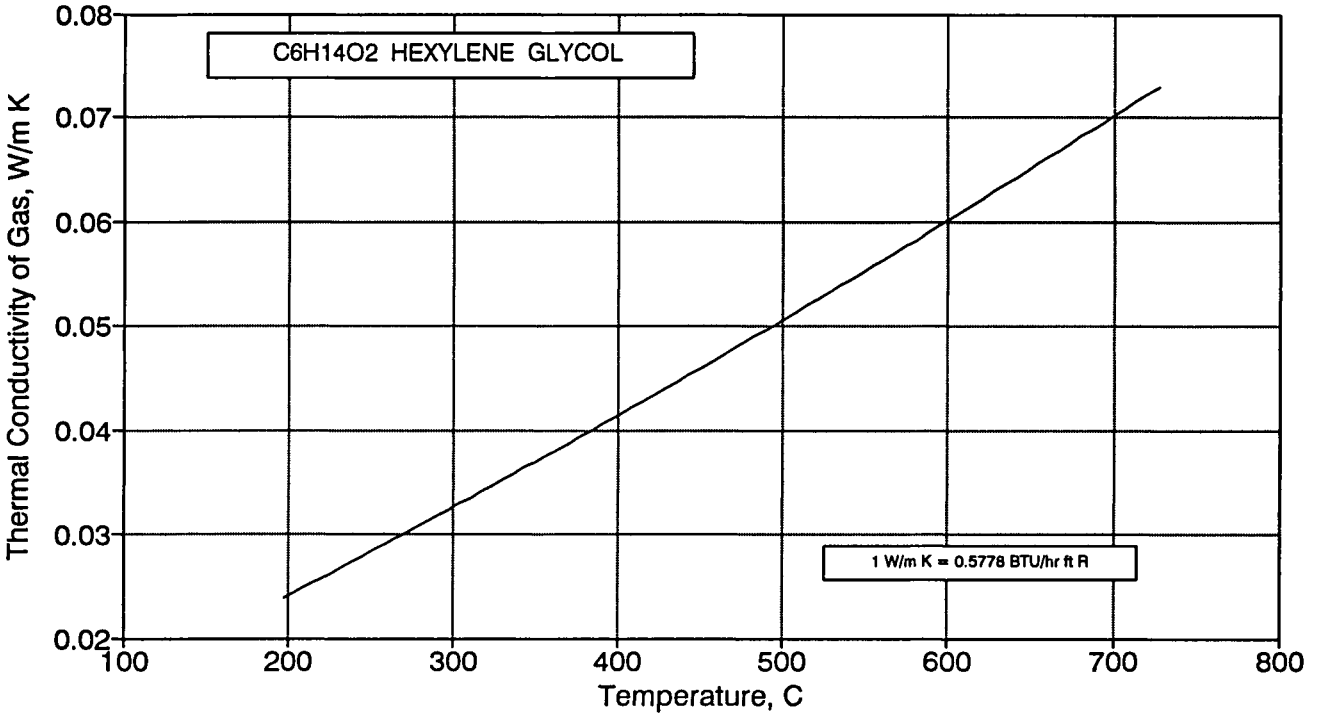

C6H14O2 ACETAL
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

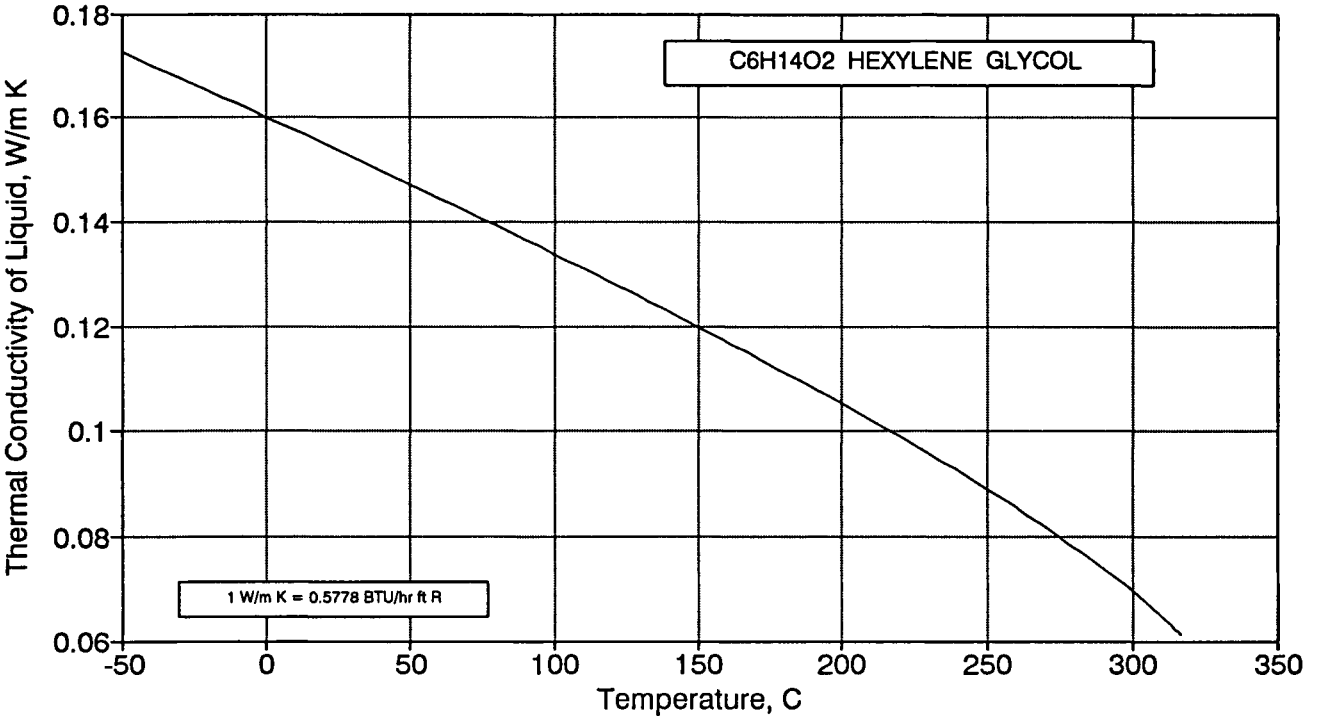

C6H14O2 2-BUTOXYETHANOL
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

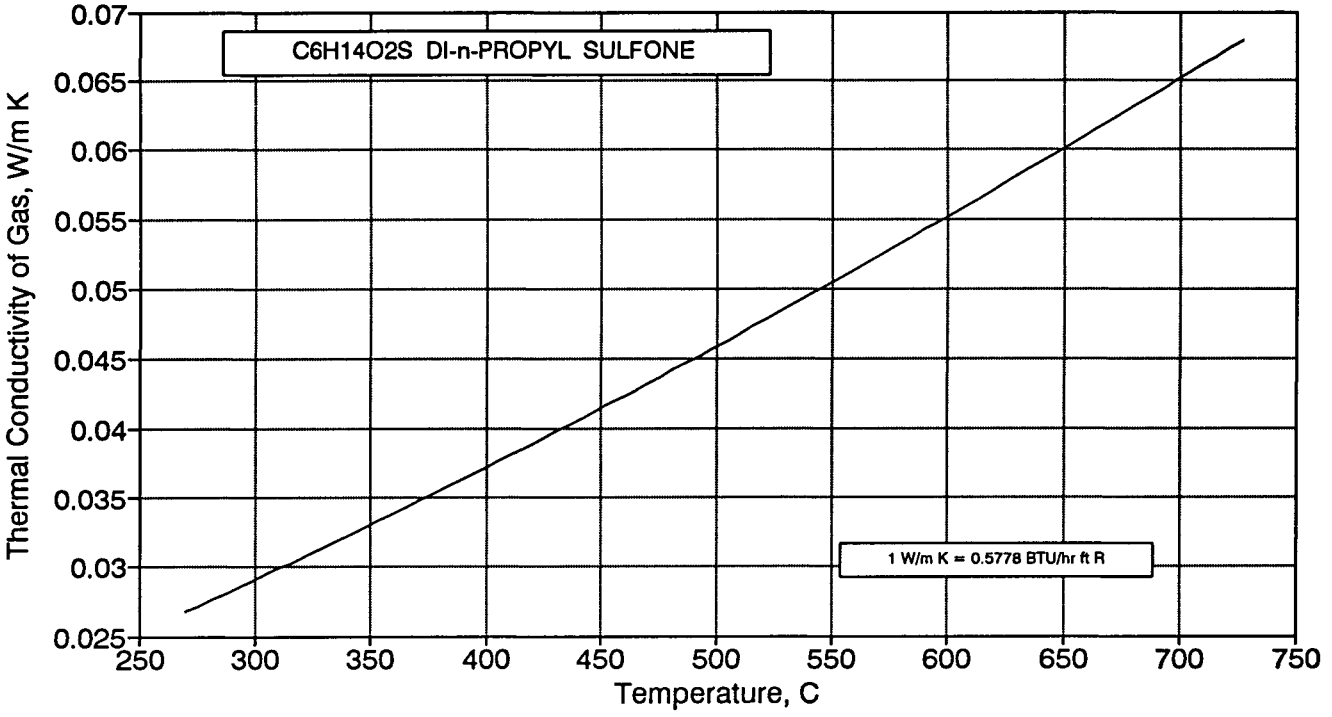

C6H14O2 2-BUTOXYETHANOL
Thermal Conductivity of Liquid, W/m K
0.18
0.17
0.16
0.15
0.14
0.13
0.12
0.11
0.1
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

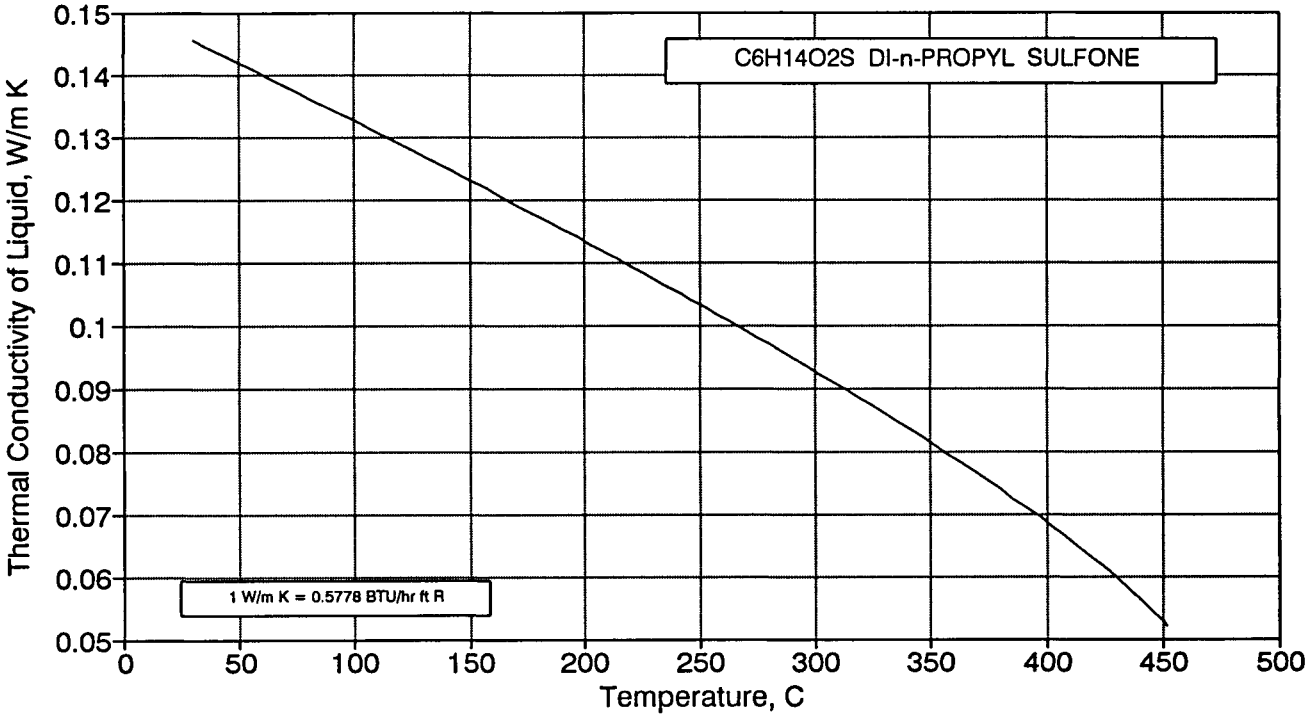

C6H14O2 1,6-HEXANEDIOL
Thermal Conductivity of Gas, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H14O2 1,6-HEXANEDIOL
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H14O2 HEXYLENE GLYCOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800
Temperature, C


C6H14O2 HEXYLENE GLYCOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-50
0
50
100
150
200
250
300
350
Temperature, C


C6H14O2S DI-n-PROPYL SULFONE
Thermal Conductivity of Gas, W/m K
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
250
300
350
400
450
500
550
600
650
700
750
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

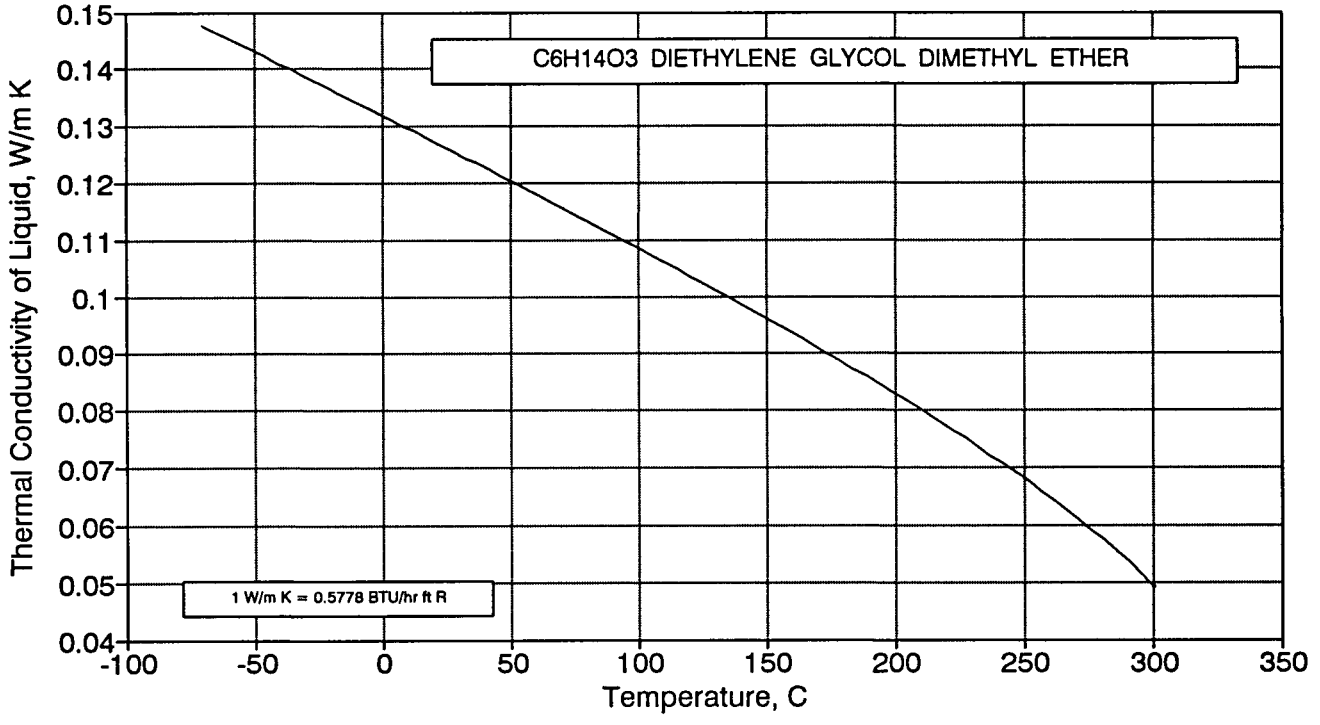

C6H14O2S DI-n-PROPYL SULFONE
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0
50
100
150
200
250
300
350
400
450
500
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

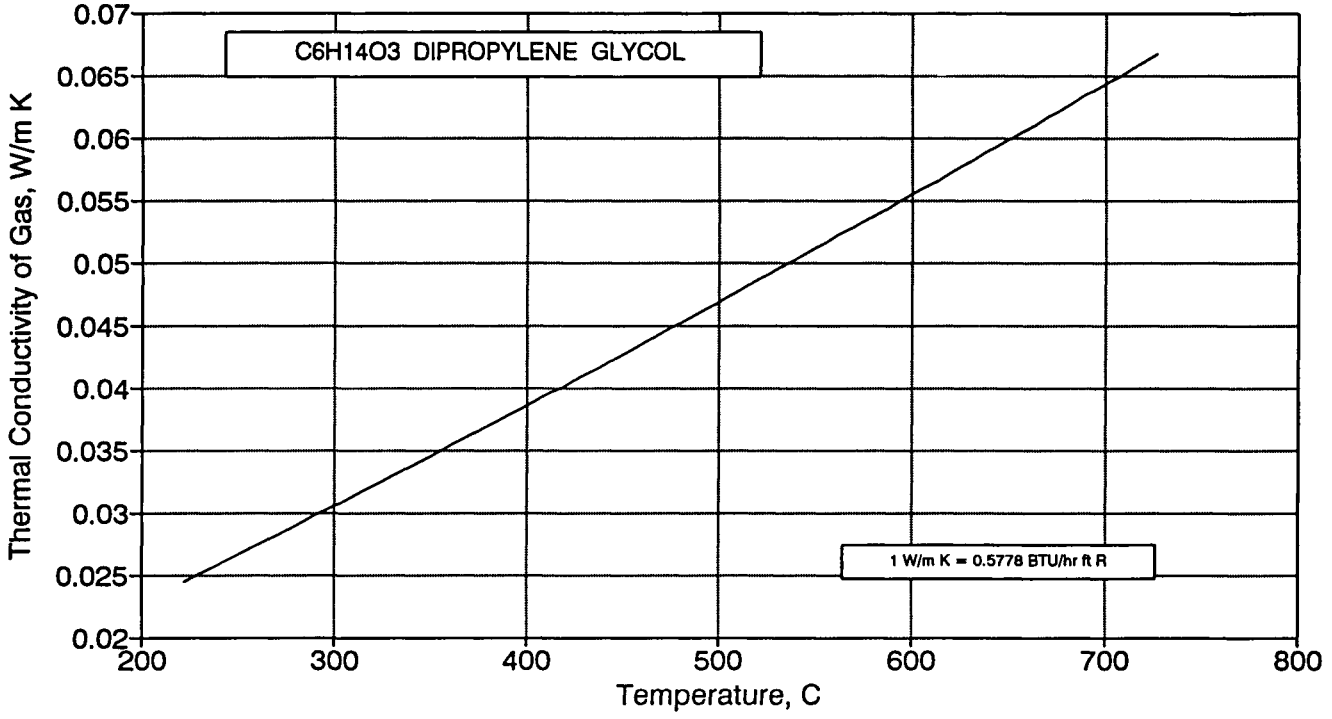
C6H14O3 DIETHYLENE GLYCOL DIMETHYL ETHER

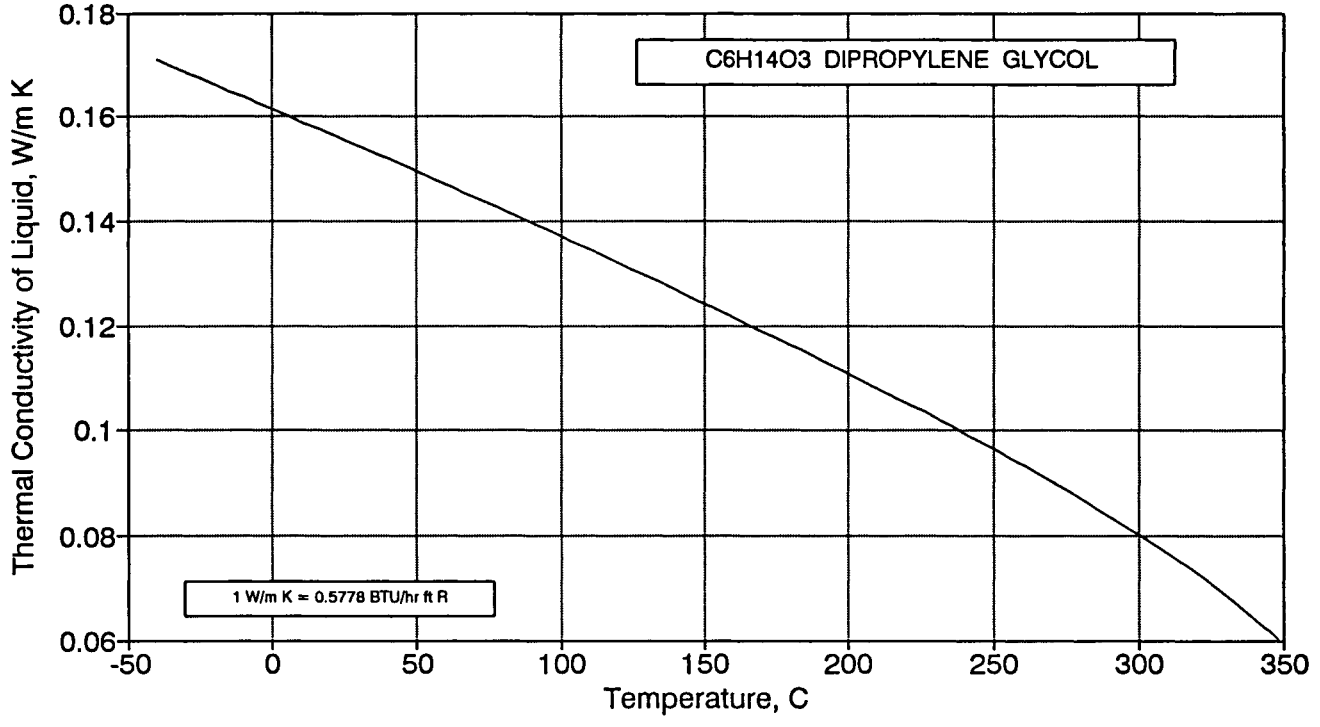
Gas thermal conductivity data are not available .

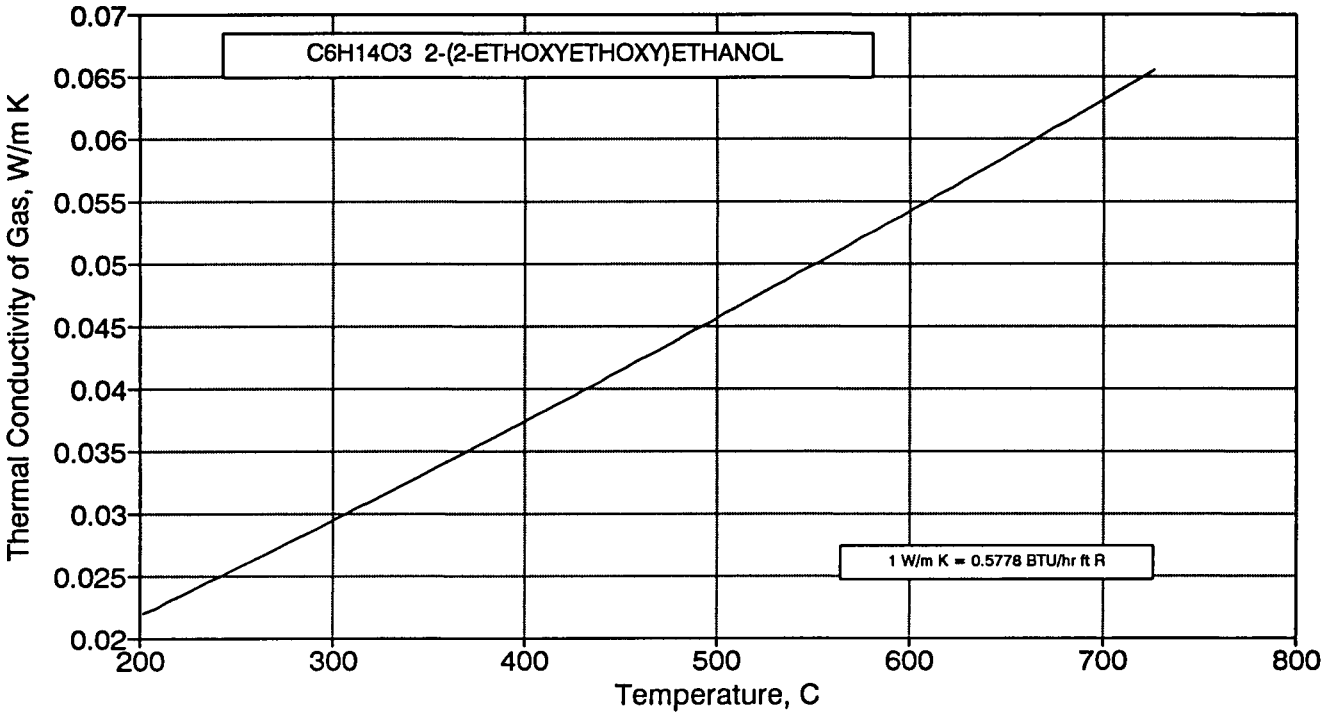
TF , K = 203.15

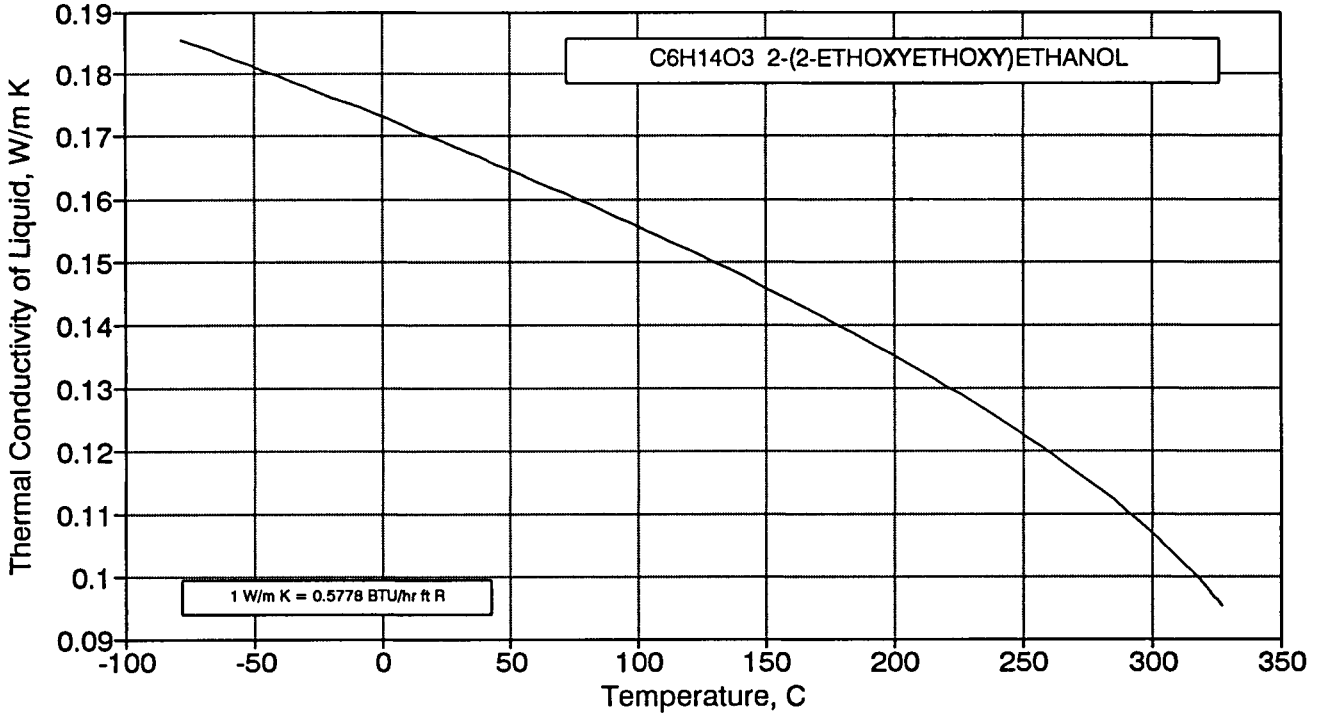
TB , K = 432.91

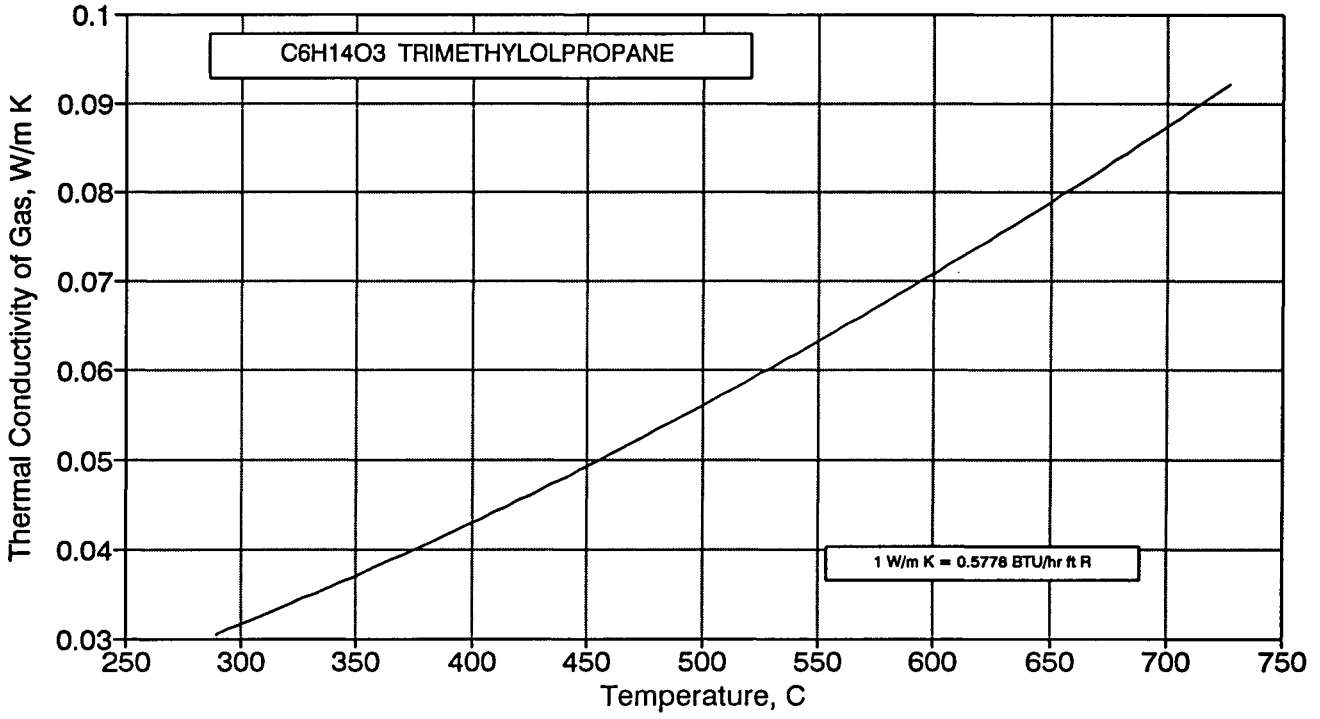


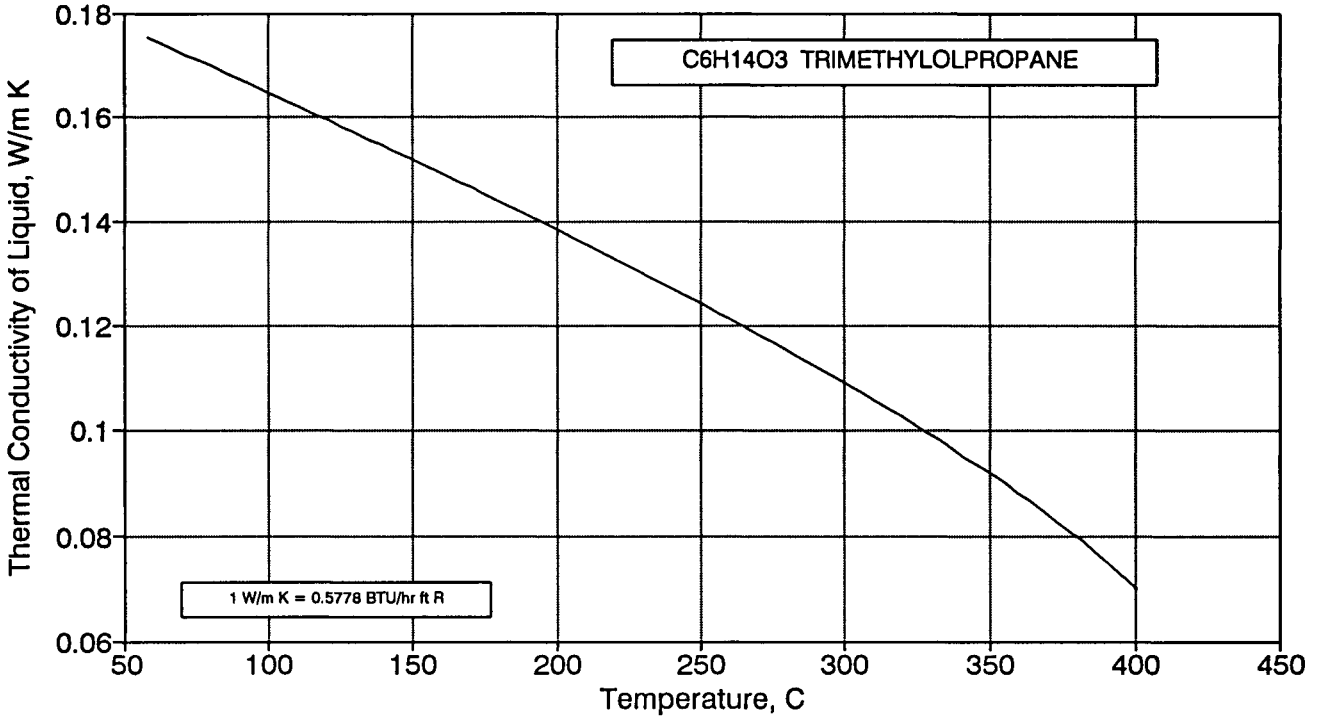

C6H14O3 DIPROPYLENE GLYCOL
Thermal Conductivity of Gas, W/m K
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

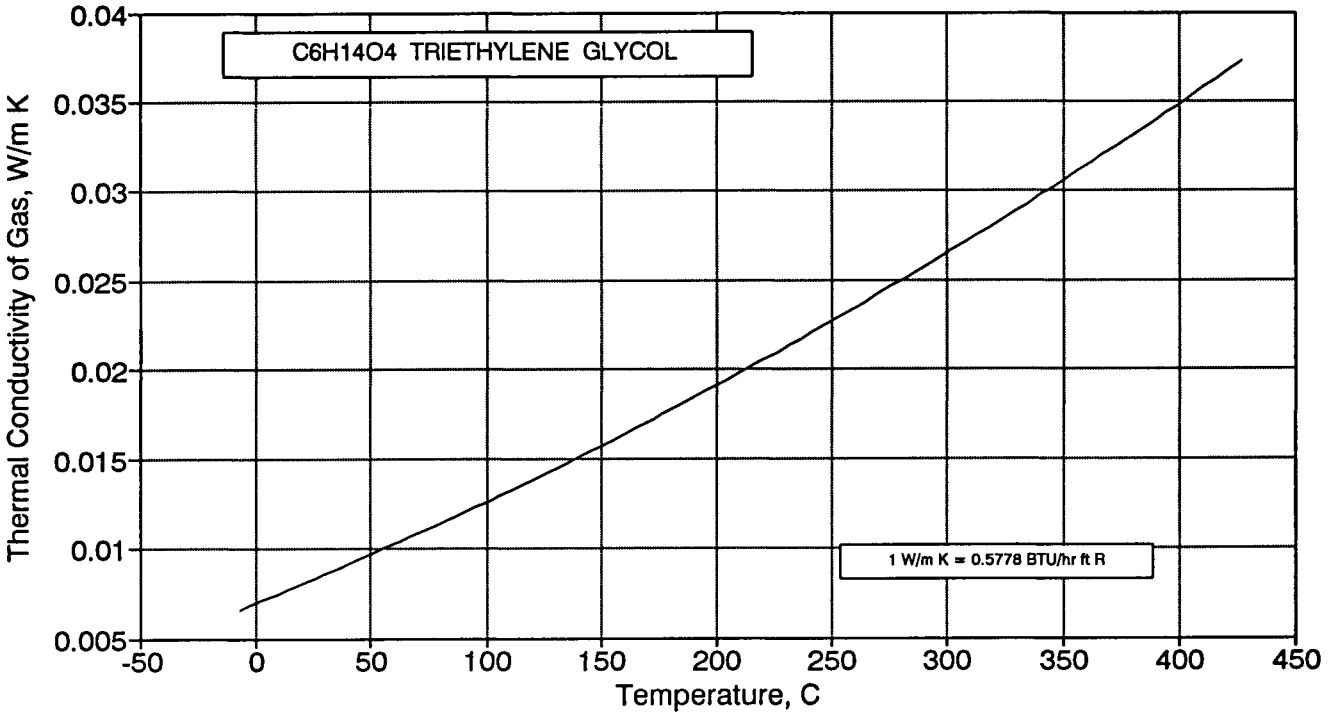

C6H14O3 DIPROPYLENE GLYCOL
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

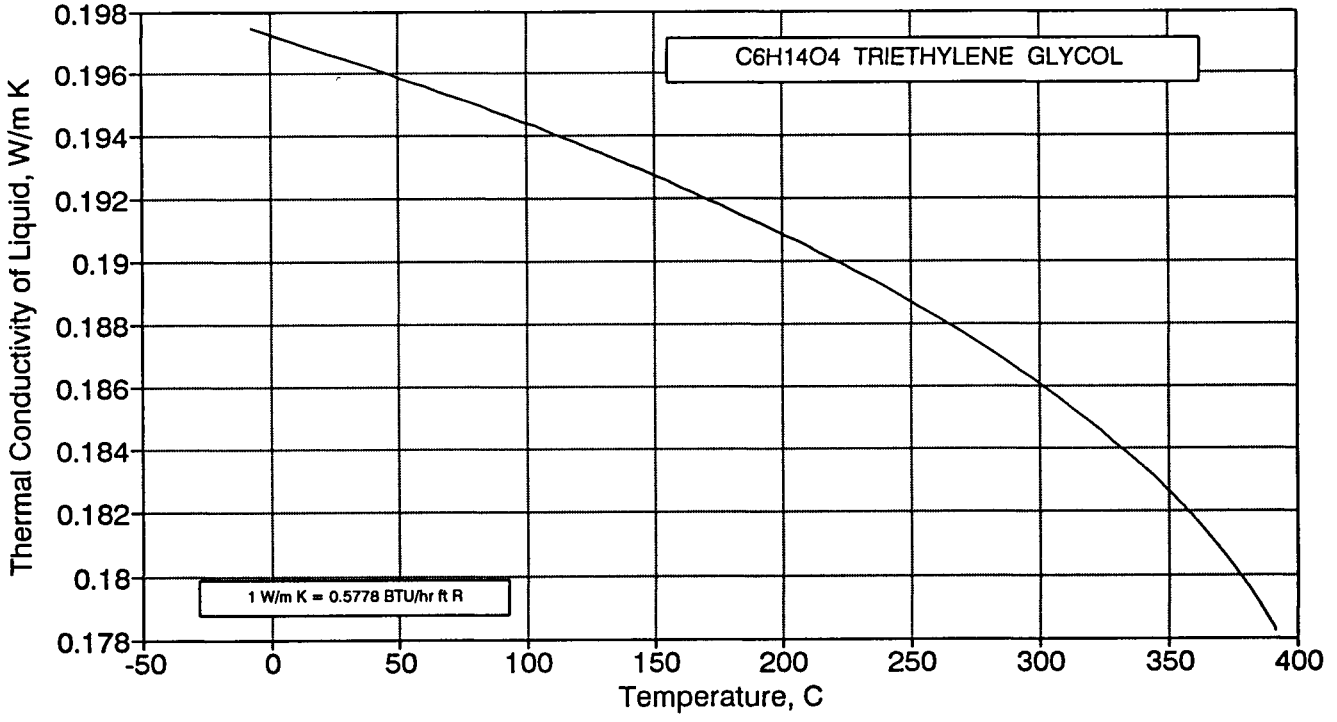

C6H14O3 2-(2-ETHOXYETHOXY)ETHANOL
Thermal Conductivity of Gas, W/m K
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

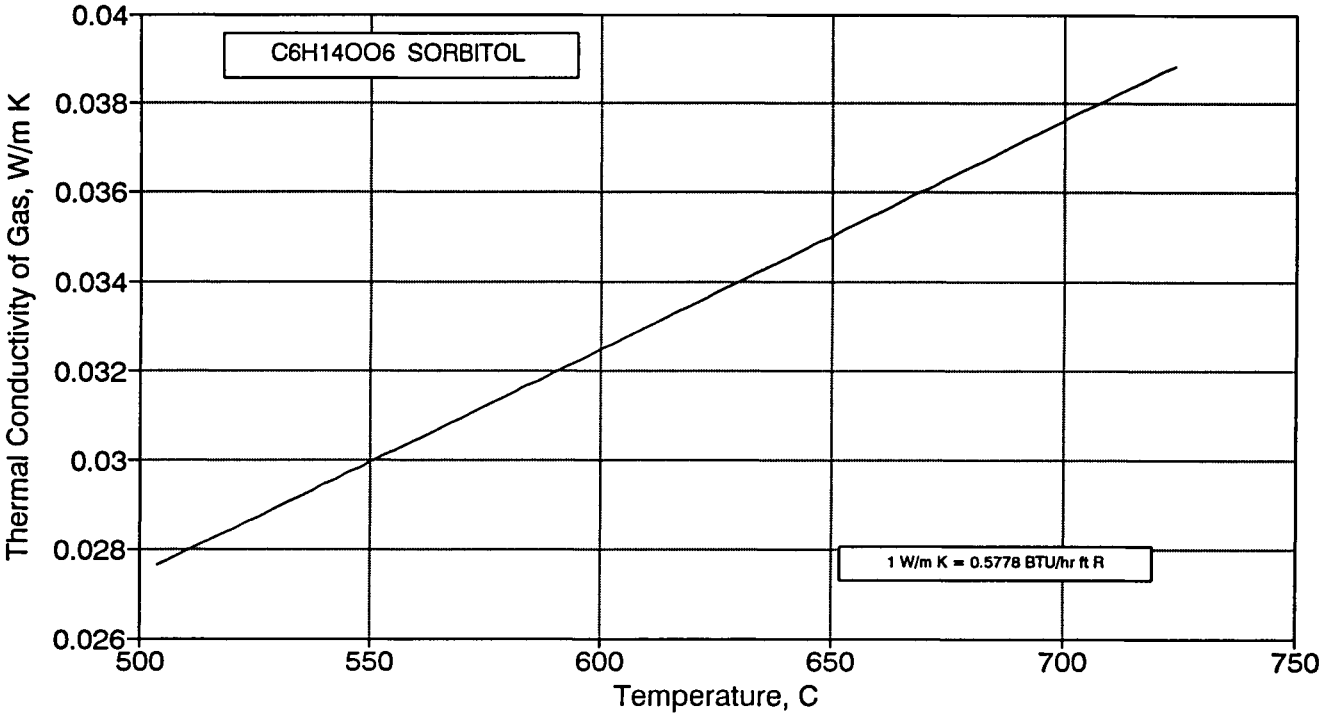

C6H14O3 2-(2-ETHOXYETHOXY)ETHANOL
Thermal Conductivity of Liquid, W/m K
0.19
0.18
0.17
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
-100
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

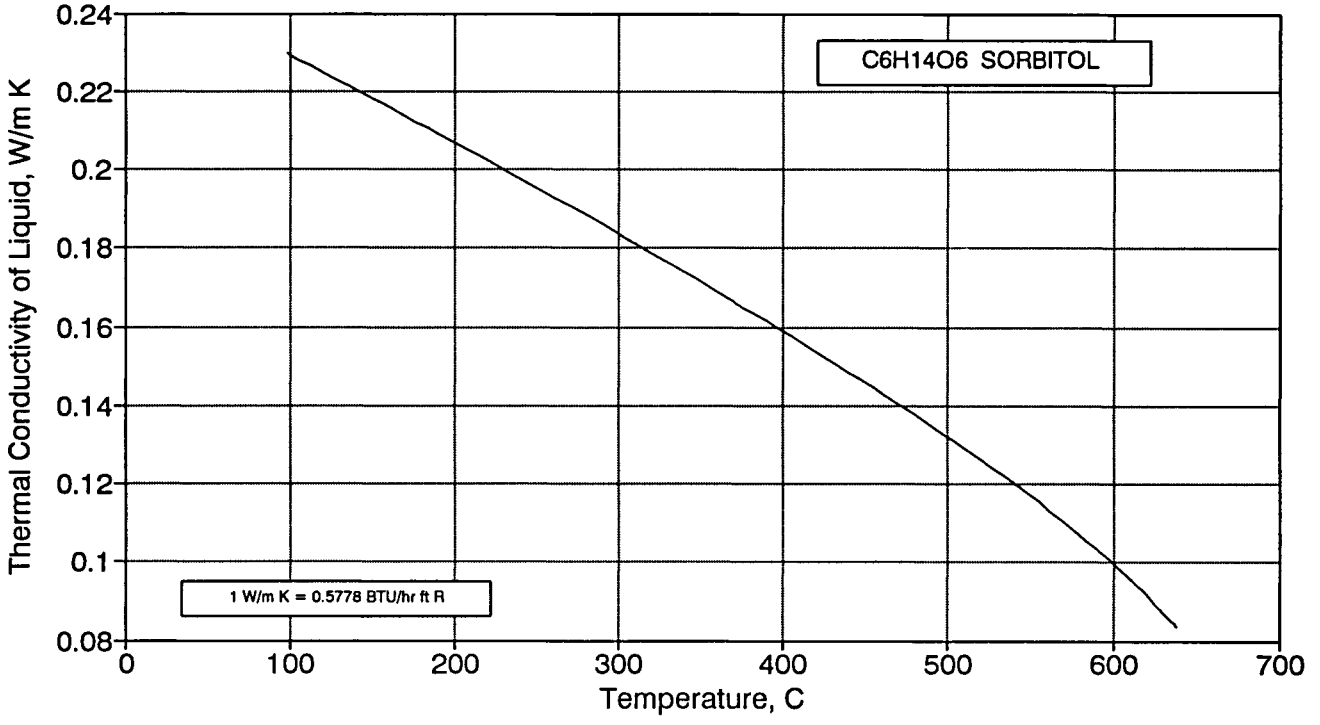

C6H14O3 TRIMETHYLOLPROPANE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
250
300
350
400
450
500
550
600
650
700
750
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H14O3 TRIMETHYLOLPROPANE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
50
100
150
200
250
300
350
400
450
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H14O4 TRIETHYLENE GLYCOL
Thermal Conductivity of Gas, W/m K
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
-50
0
50
100
150
200
250
300
350
400
450
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H14O4 TRIETHYLENE GLYCOL
Thermal Conductivity of Liquid, W/m K
0.198
0.196
0.194
0.192
0.19
0.188
0.186
0.184
0.182
0.18
0.178
-50
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H14OO6 SORBITOL
Thermal Conductivity of Gas, W/m K
0.04
0.038
0.036
0.034
0.032
0.03
0.028
0.026
500
550
600
650
700
750
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

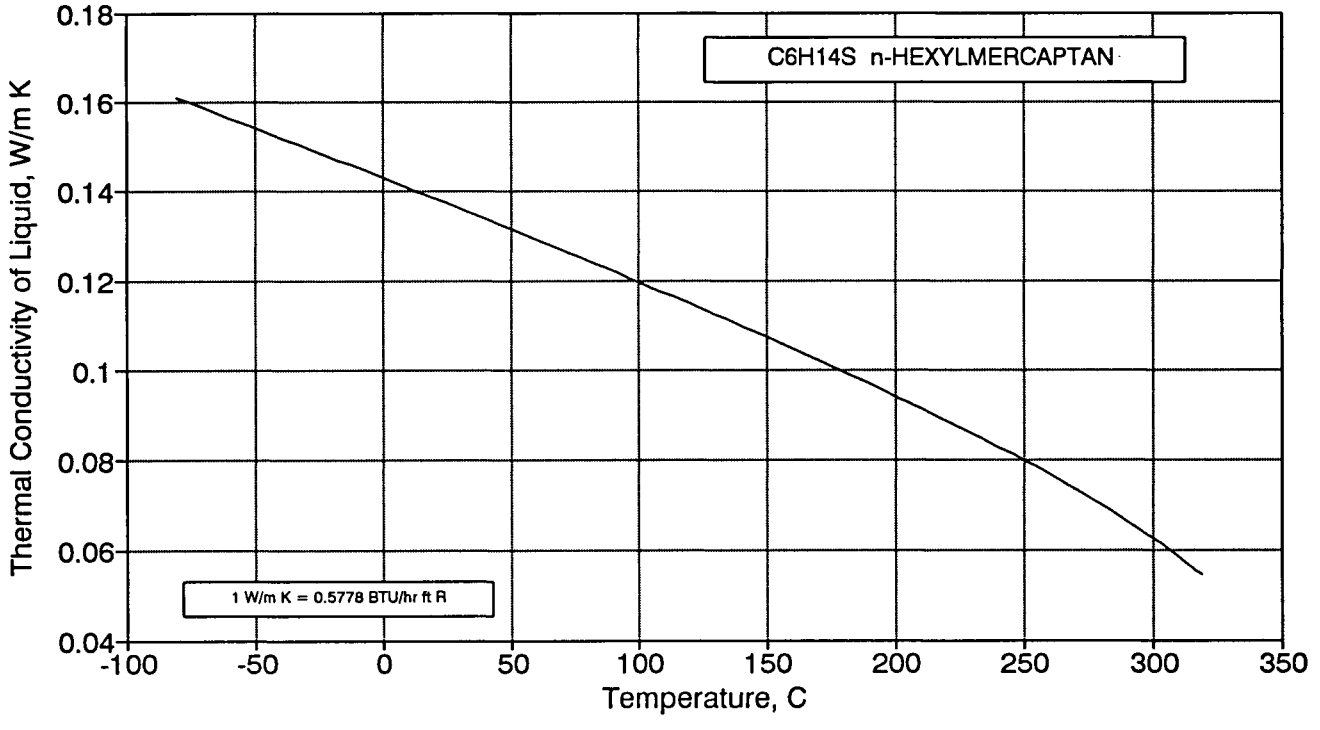

C6H14O6 SORBITOL
Thermal Conductivity of Liquid, W/m K
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0
100
200
300
400
500
600
700
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

C6H14S n-HEXYLMERCAPTAN

Gas thermal conductivity data are not available .

TF , K = 192.62

TB , K = 425.81



C6H15Al TRIETHYL ALUMINUM

Gas thermal conductivity data are not available .

TF , K = 220.65

TB , K = 458.15

C6H15Al TRIETHYL ALUMINUM

Liquid thermal conductivity data are not available .

C6H15Al2Cl3 ETHYL ALUMINUM SESQUICHLORIDE

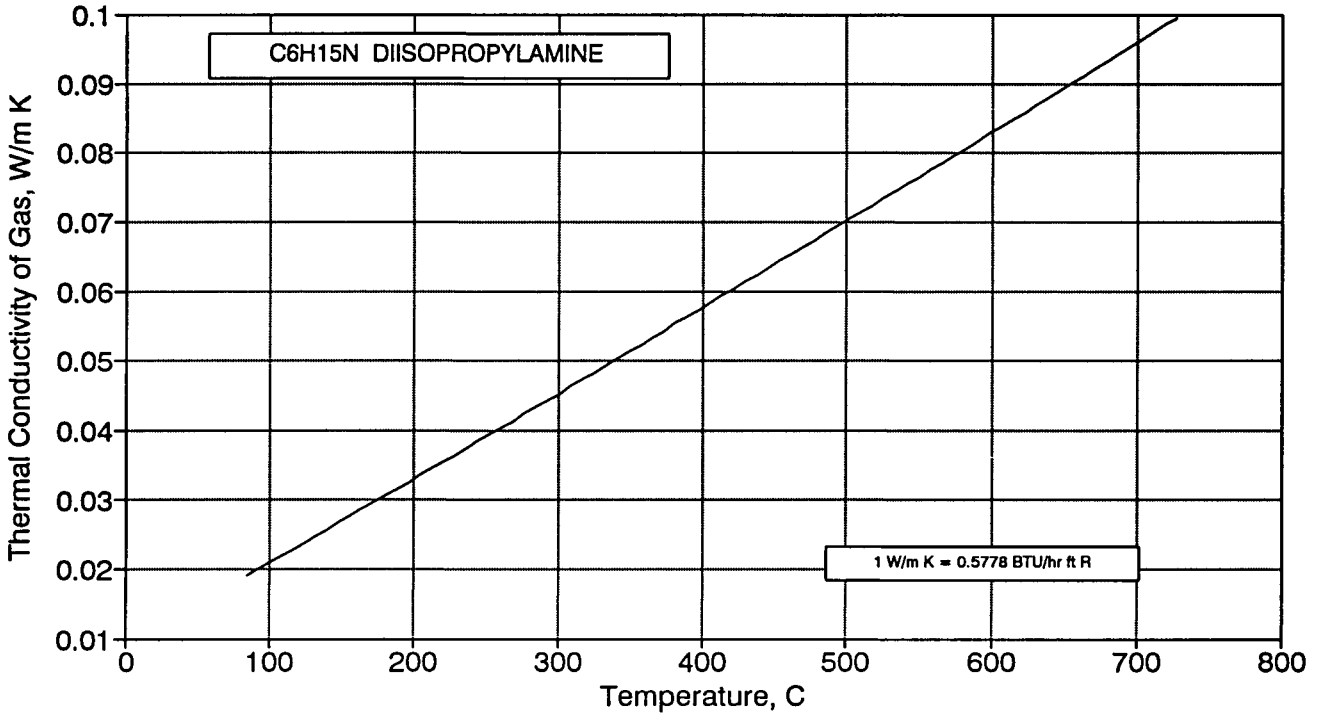
Gas thermal conductivity data are not available .

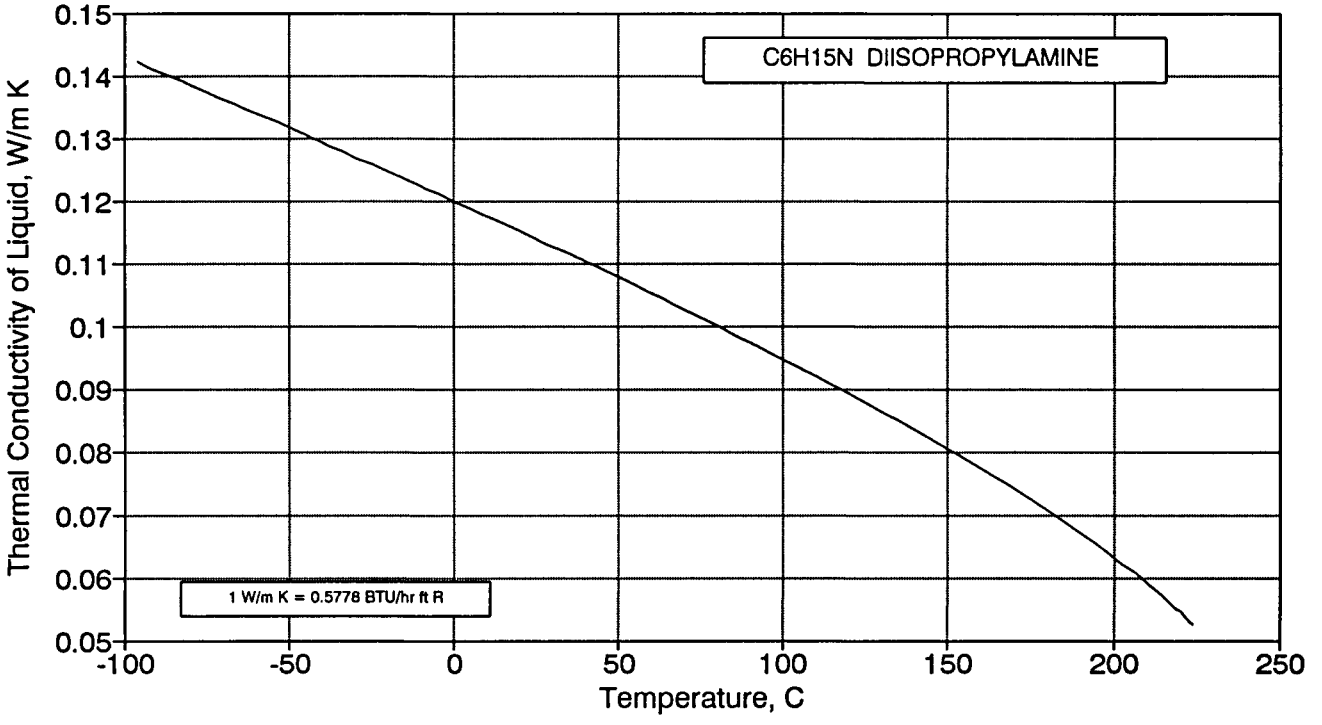
TF , K = 253.15

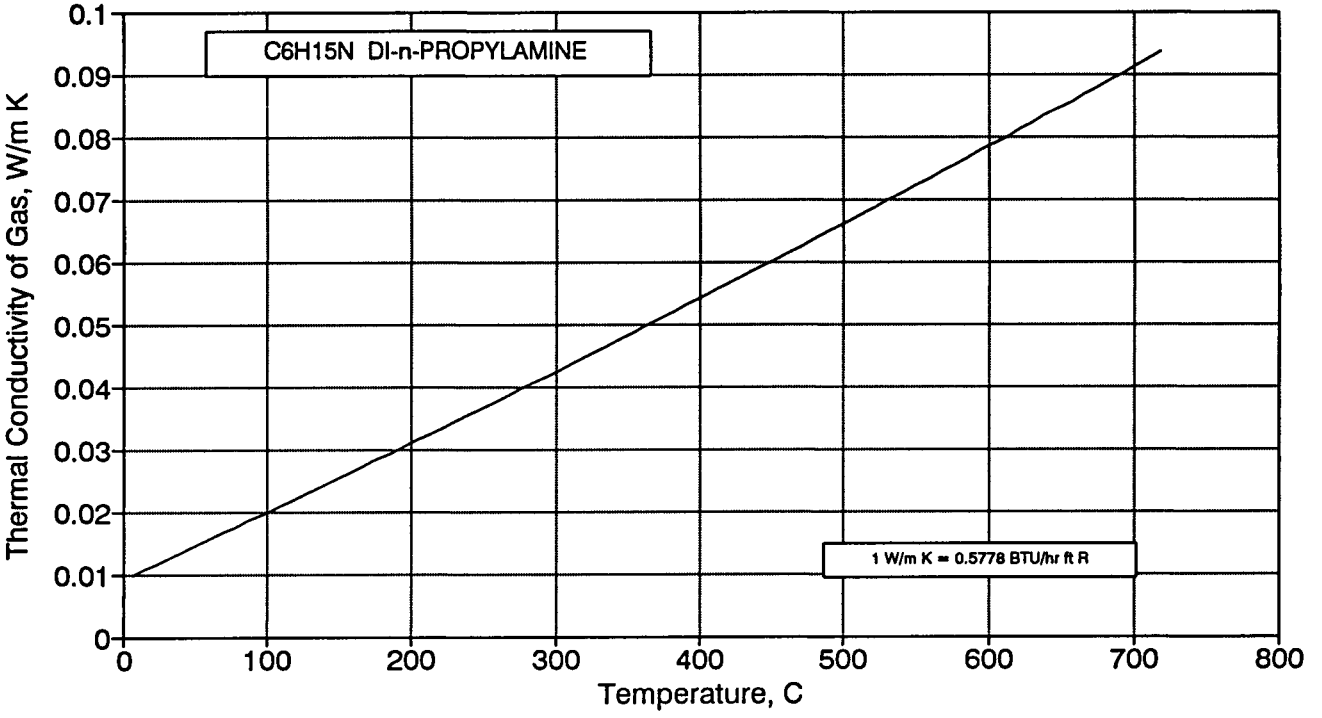
TB , K = 482.15

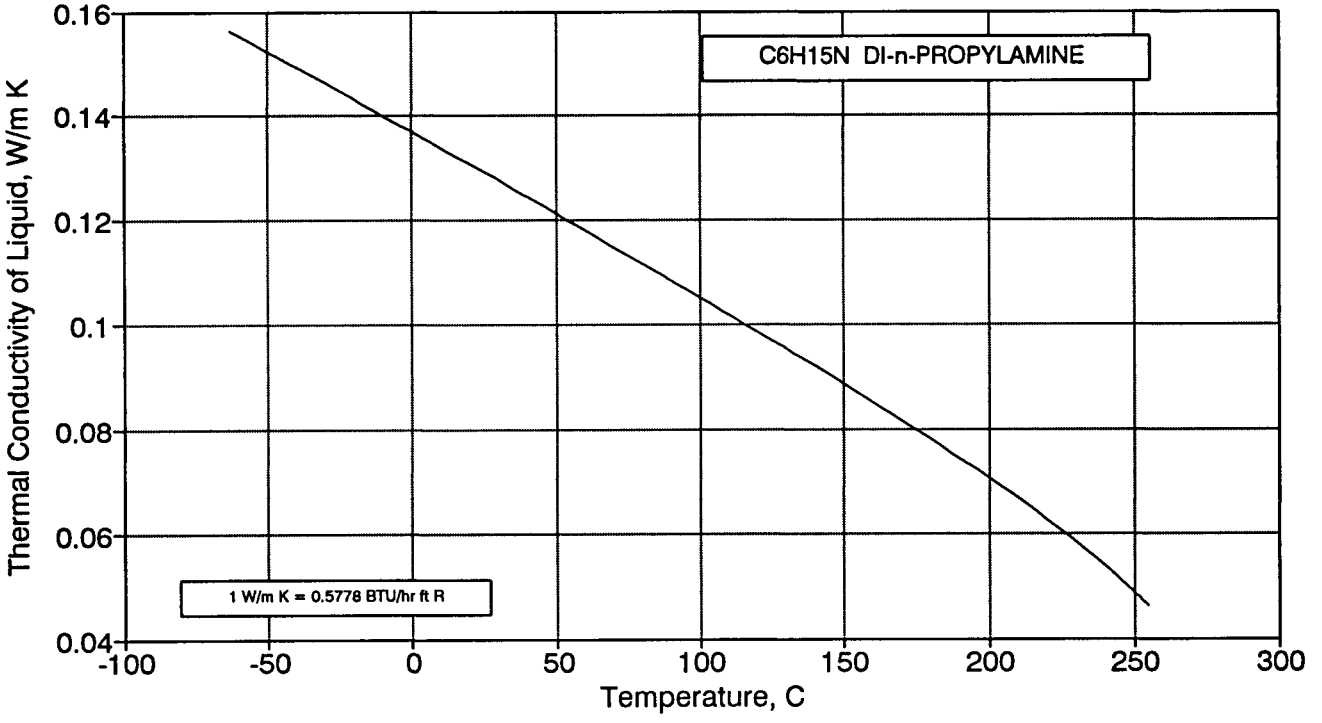
C6H15Al2Cl3 ETHYL ALUMINUM SESQUICHLORIDE

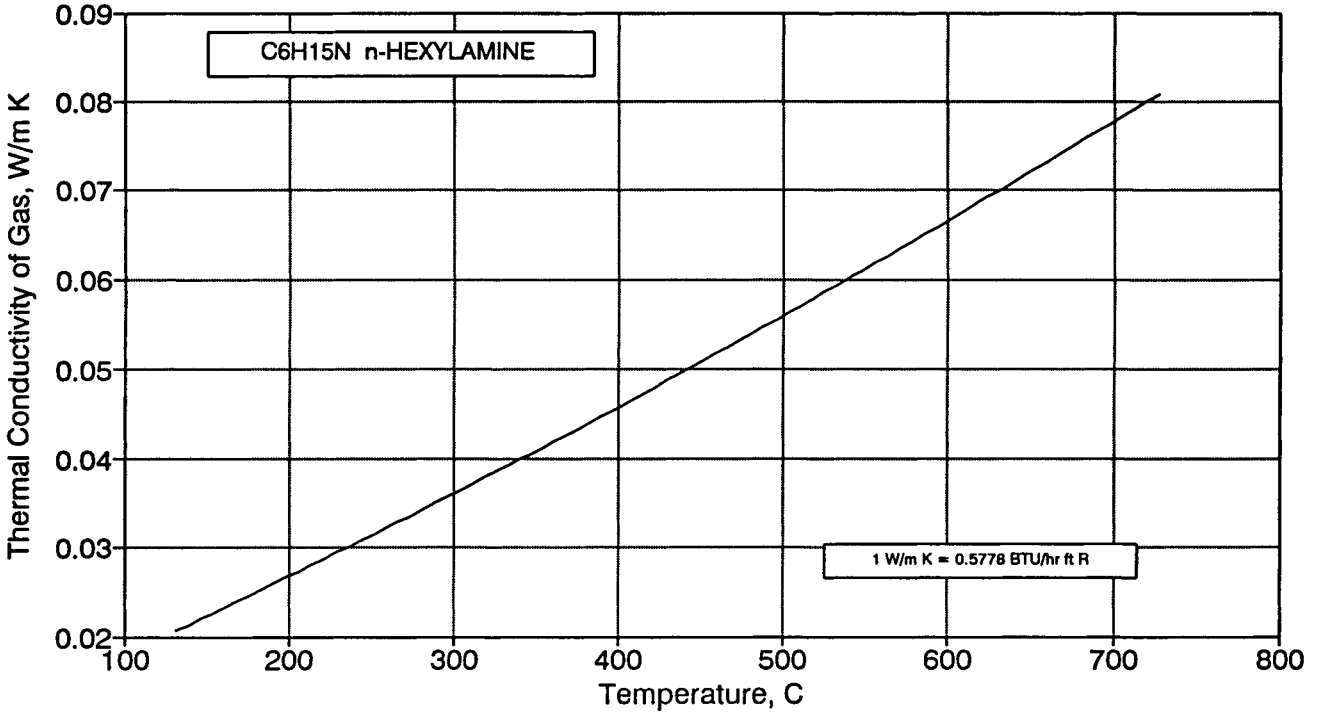
Liquid thermal conductivity data are not available .

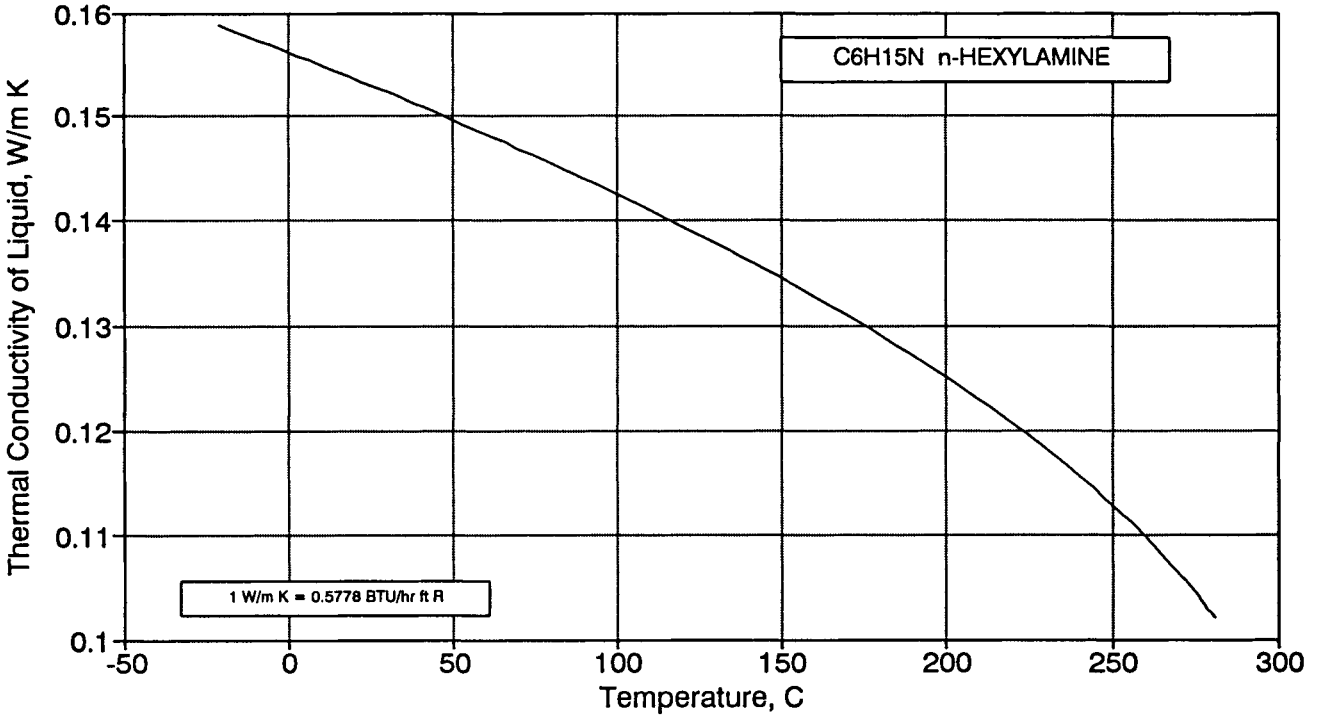

C6H15N DIISOPROPYLAMINE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

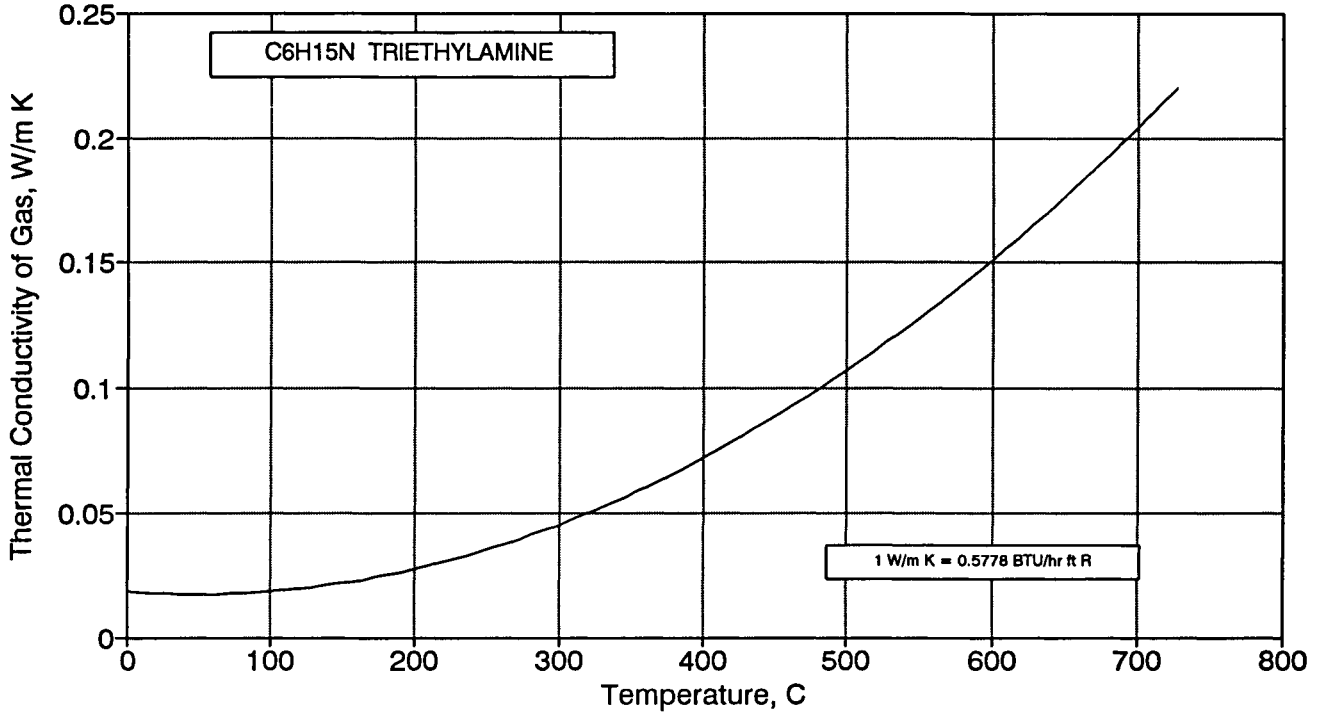

C6H15N DIISOPROPYLAMINE
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

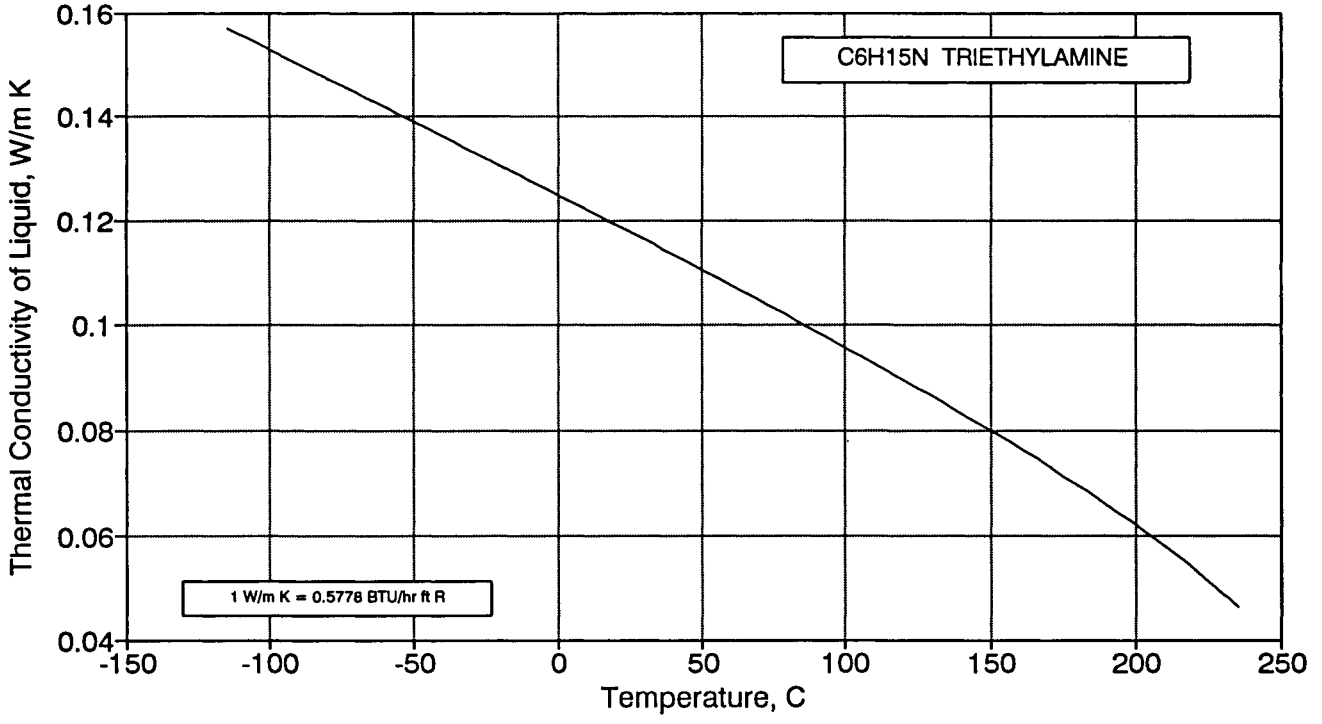

C6H15N DI-n-PROPYLAMINE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

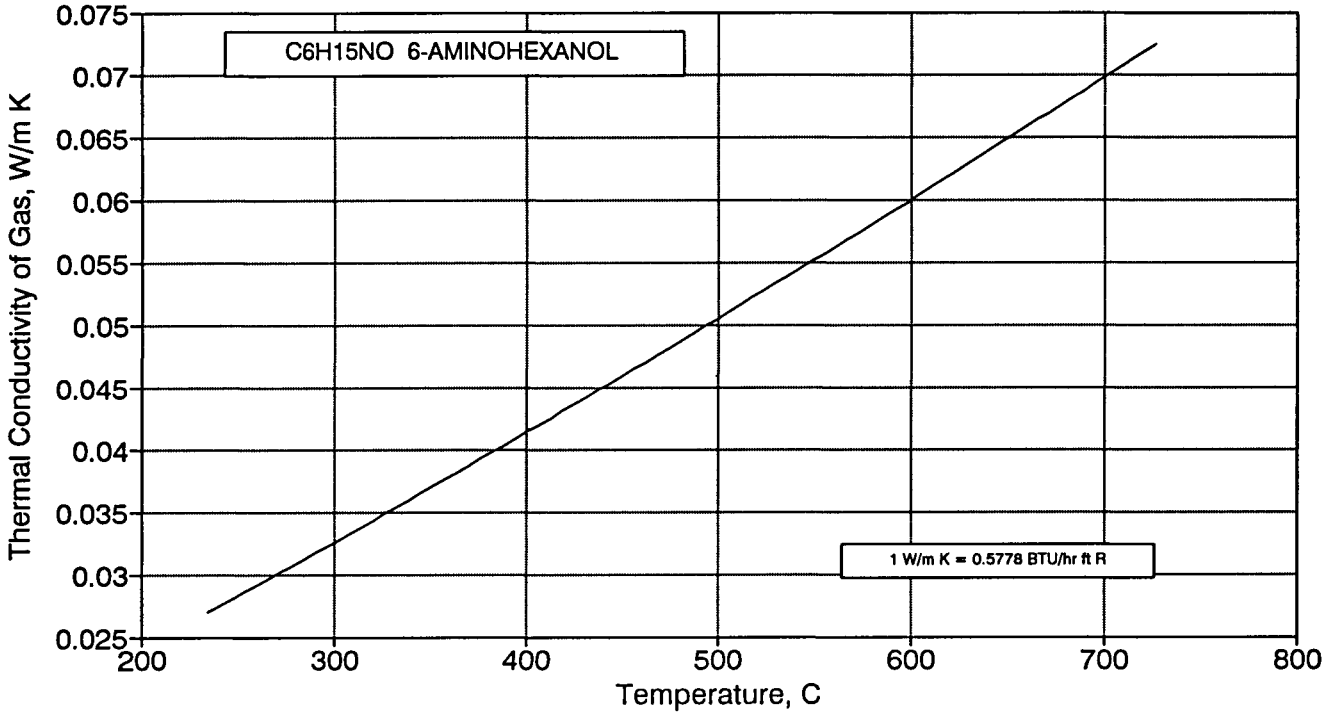

C6H15N DI-n-PROPYLAMINE
Thermal Conductivity of Liquid, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

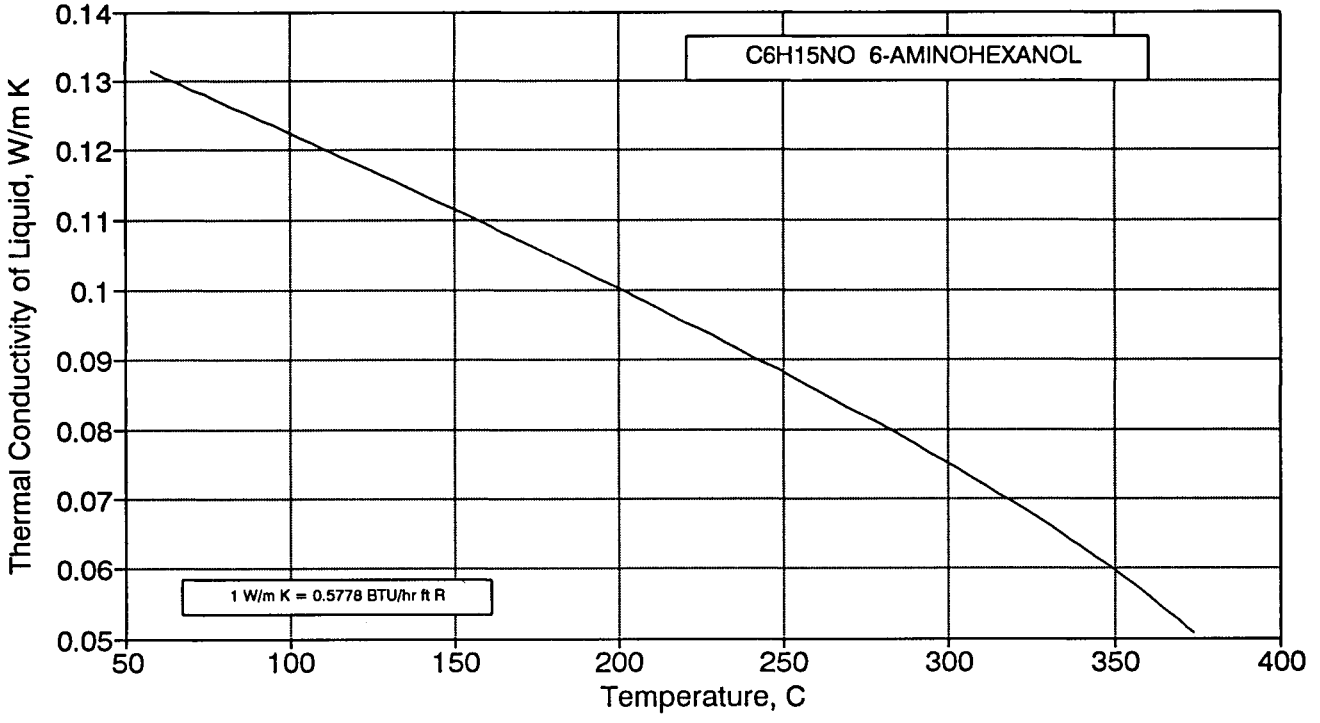

C6H15N n-HEXYLAMINE
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

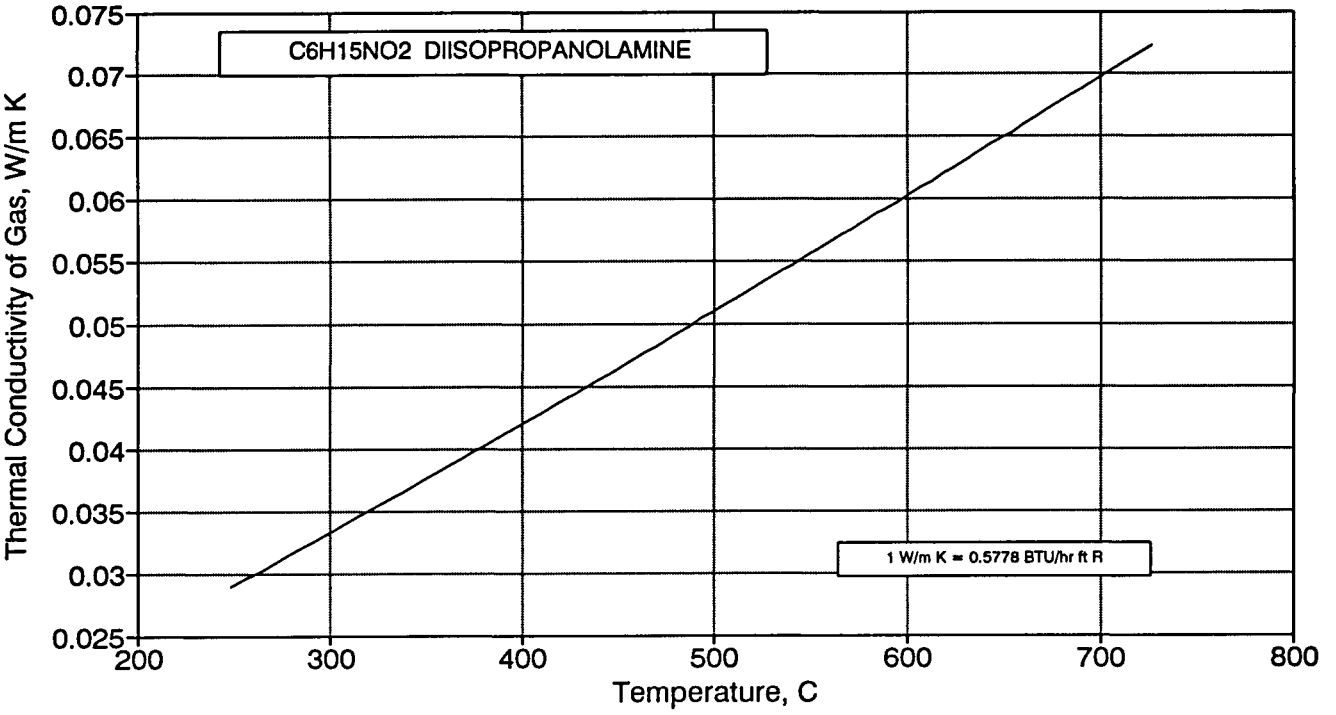

C6H15N n-HEXYLAMINE
Thermal Conductivity of Liquid, W/m K
0.16
0.15
0.14
0.13
0.12
0.11
0.1
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

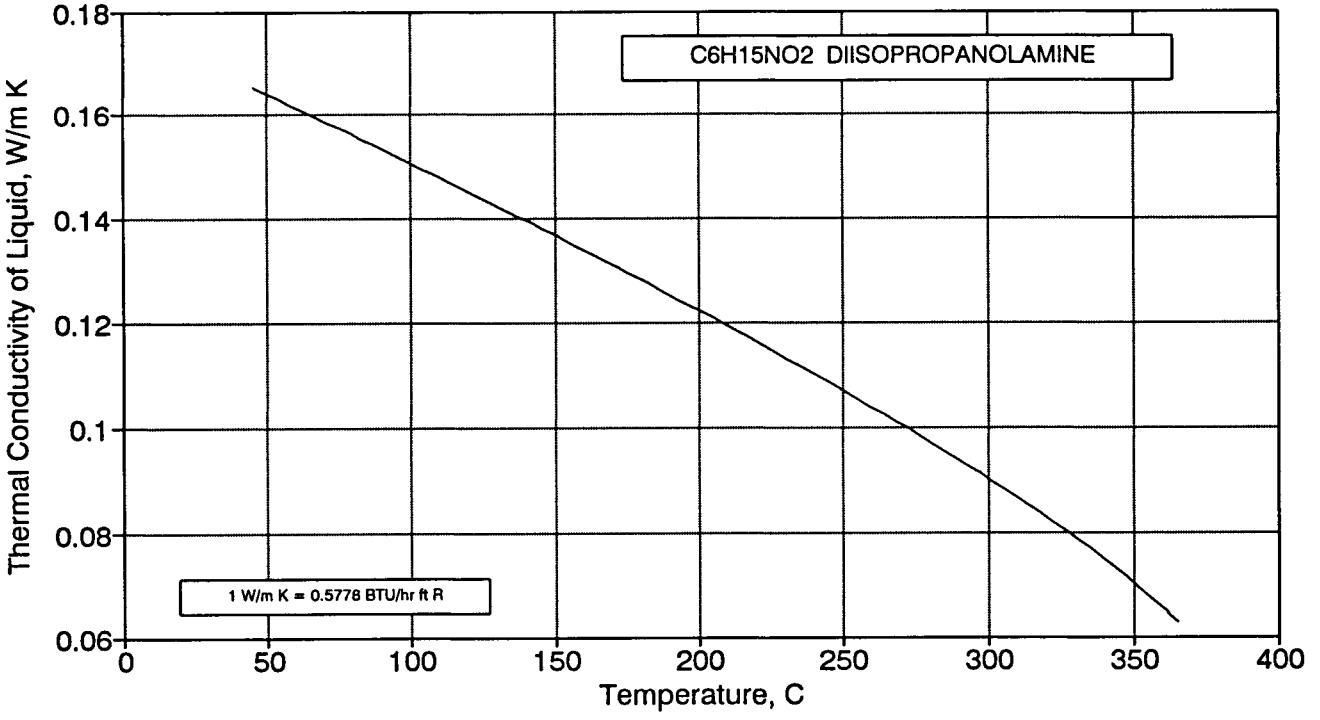

C6H15N TRIETHYLAMINE
Thermal Conductivity of Gas, W/m K
0.25
0.2
0.15
0.1
0.05
0
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

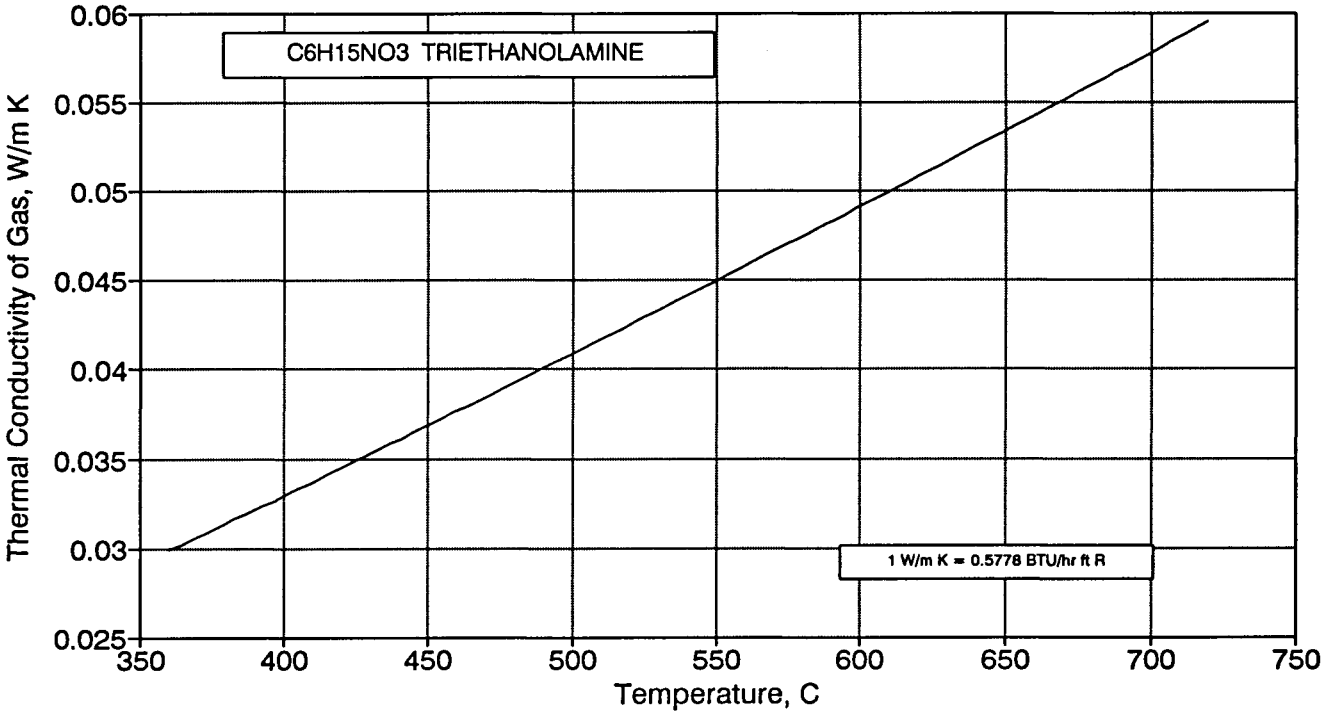

C6H15N TRIETHYLAMINE
Thermal Conductivity of Liquid, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

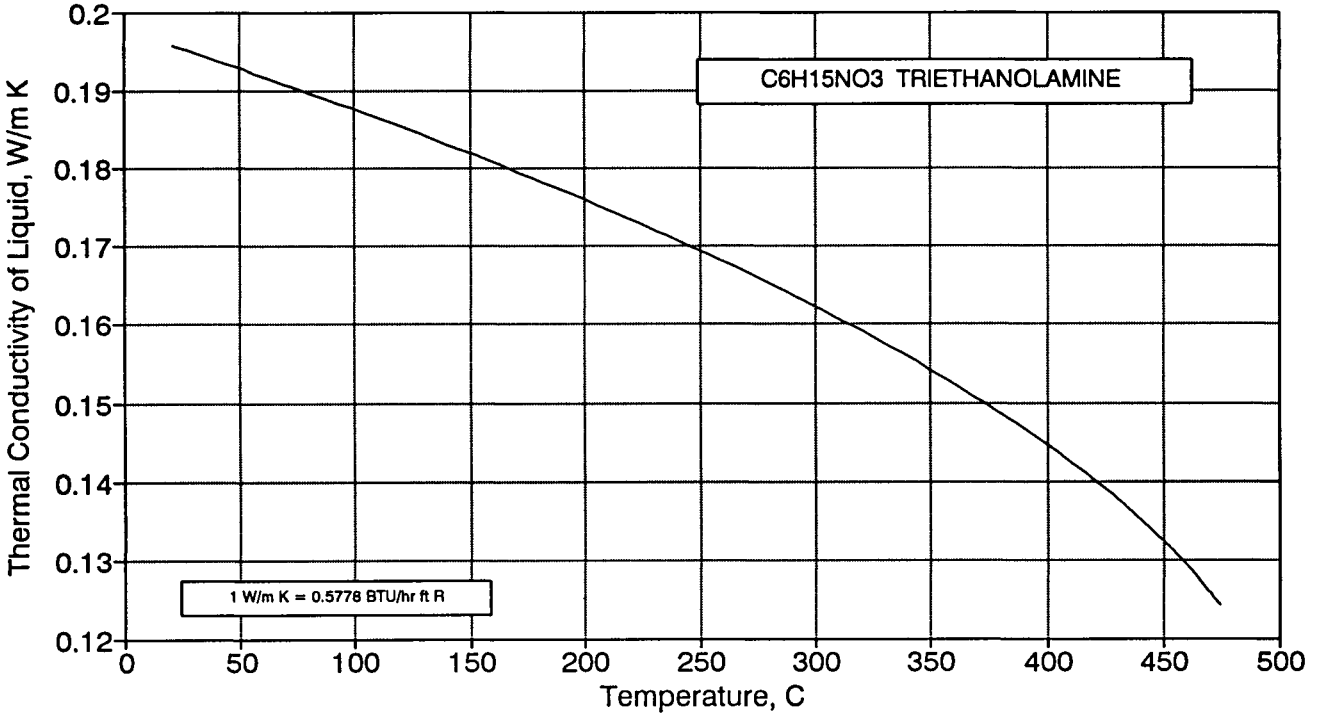

C6H15NO 6-AMINOHEXANOL
Thermal Conductivity of Gas, W/m K
0.075
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

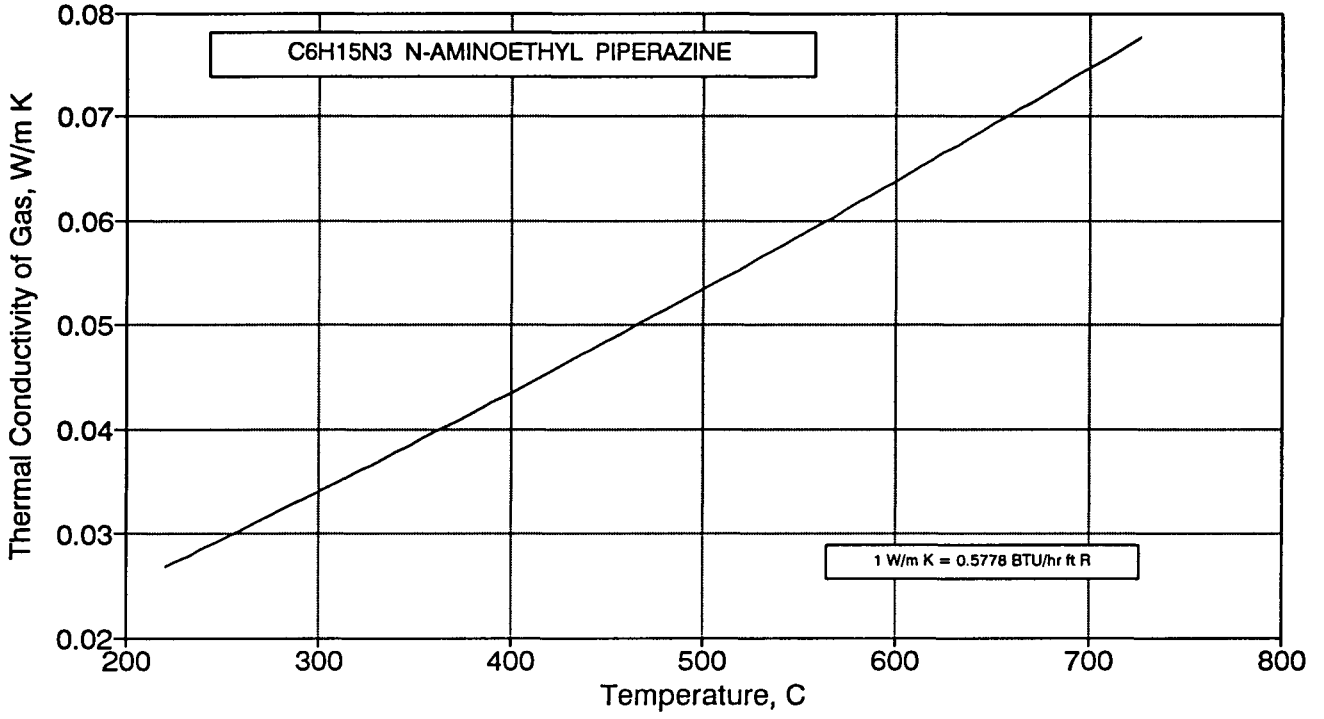

C6H15NO 6-AMINOHEXANOL
Thermal Conductivity of Liquid, W/m K
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

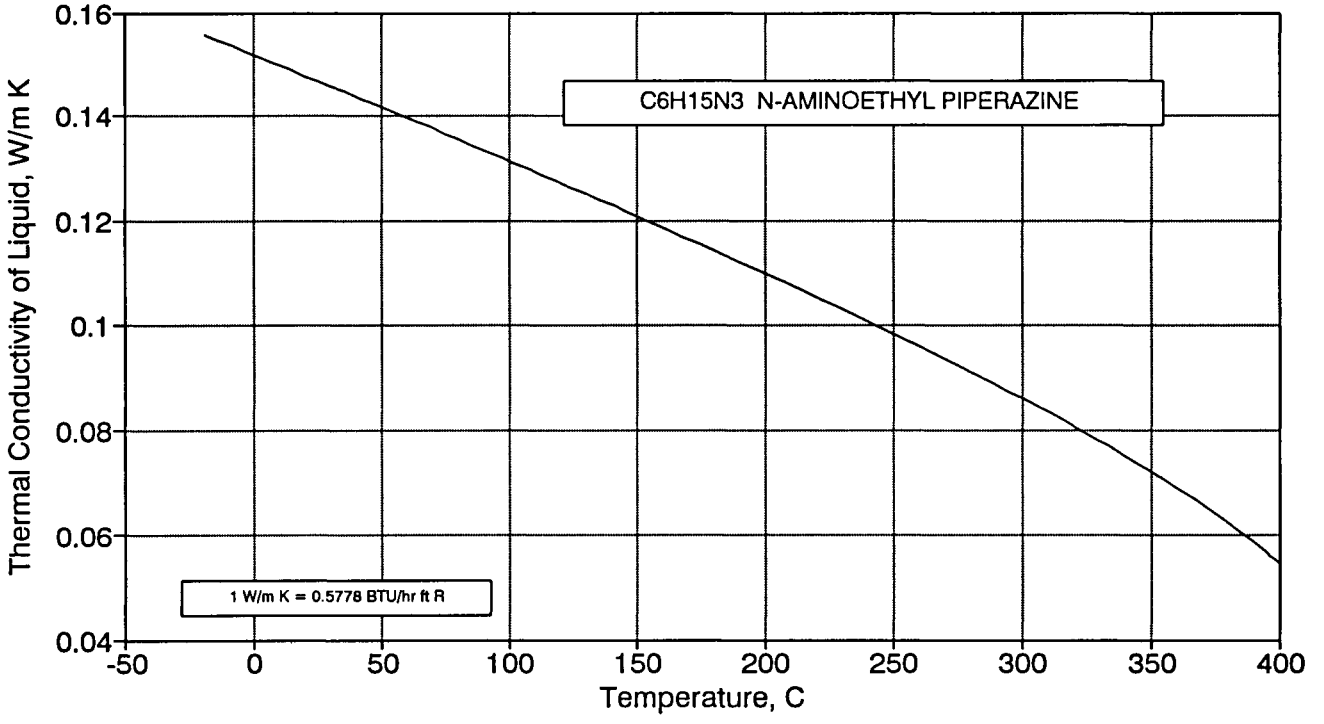

C6H15NO2 DIISOPROPANOLAMINE
Thermal Conductivity of Gas, W/m K
0.075
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H15NO2 DIISOPROPANOLAMINE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H15NO3 TRIETHANOLAMINE
Thermal Conductivity of Gas, W/m K
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
350
400
450
500
550
600
650
700
750
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H15NO3 TRIETHANOLAMINE
Thermal Conductivity of Liquid, W/m K
0.2
0.19
0.18
0.17
0.16
0.15
0.14
0.13
0.12
0
50
100
150
200
250
300
350
400
450
500
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H15N3 N-AMINOETHYL PIPERAZINE
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H15N3 N-AMINOETHYL PIPERAZINE
Thermal Conductivity of Liquid, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-50
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

C6H15O4P TRIETHYL PHOSPHATE

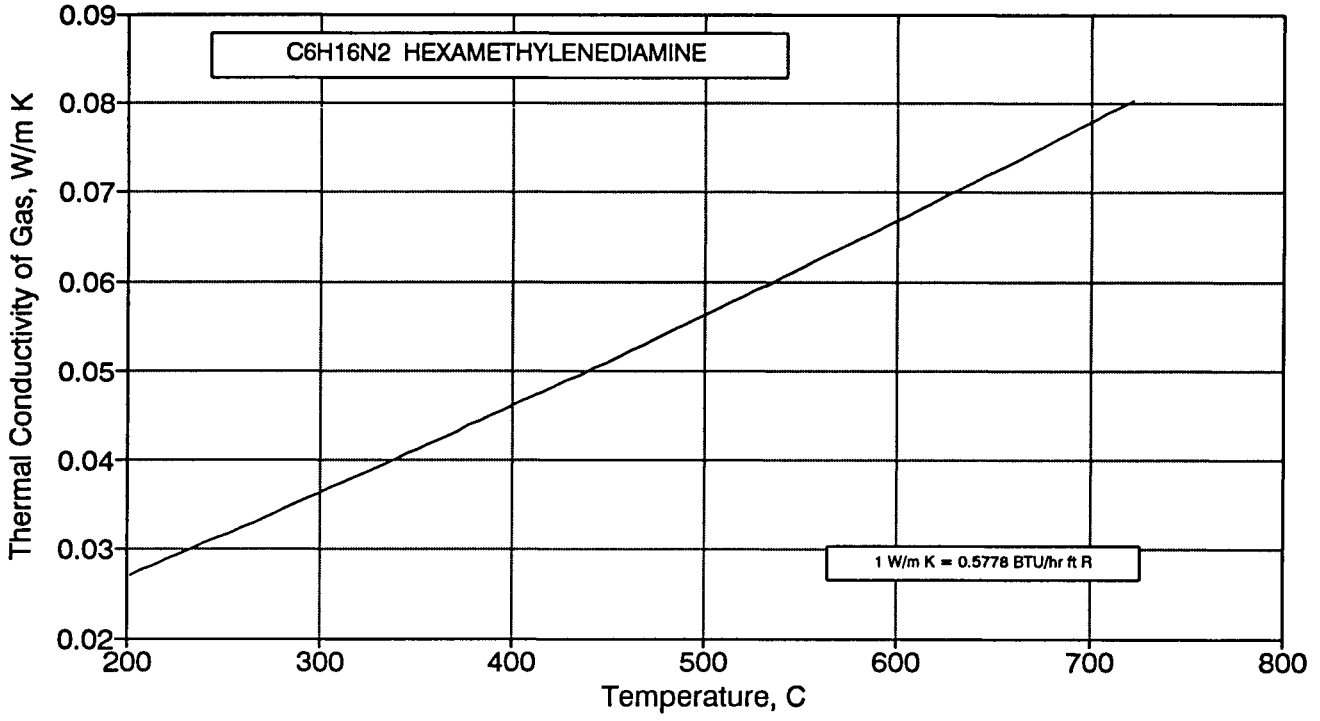
Gas thermal conductivity data are not available .

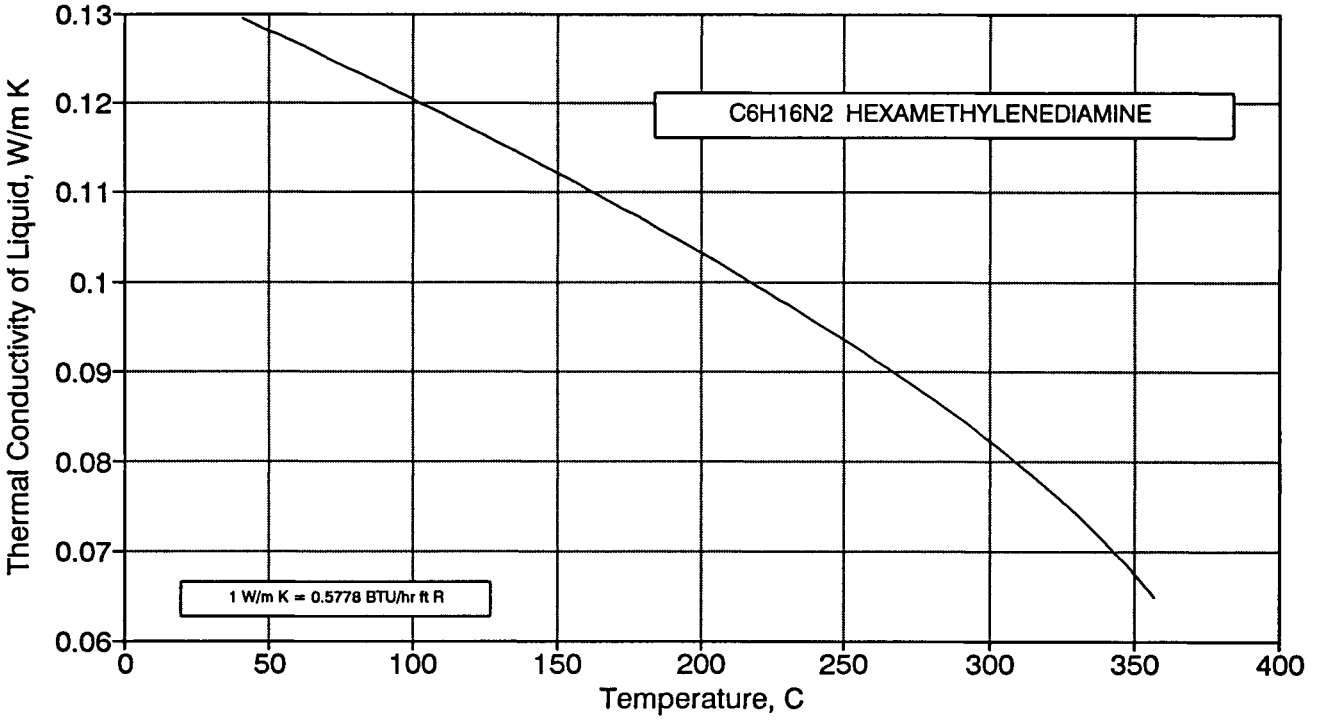
TF , K = 216.00

TB , K = 484.15

C6H15O4P TRIETHYL PHOSPHATE

Liquid thermal conductivity data are not available .


C6H16N2 HEXAMETHYLENEDIAMINE
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H16N2 HEXAMETHYLENEDIAMINE
Thermal Conductivity of Liquid, W/m K
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

C6H18N3OP HEXAMETHYL PHOSPHORAMIDE

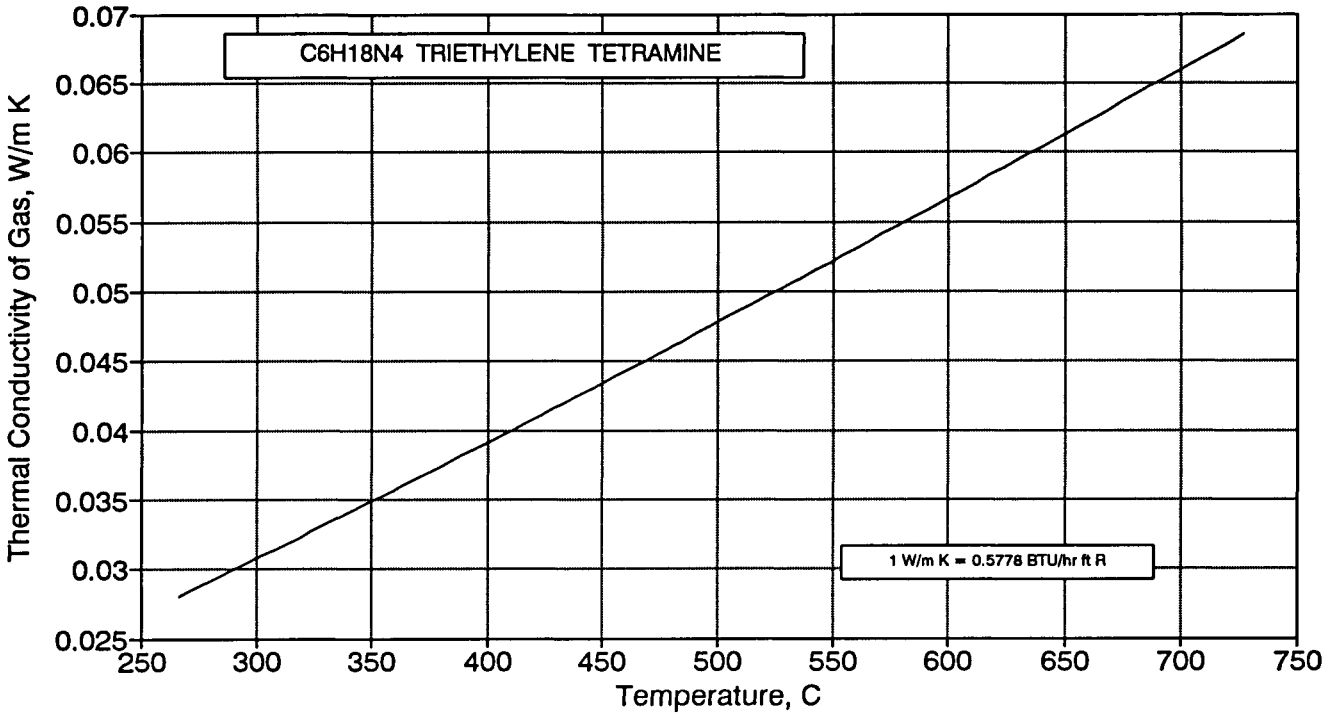
Gas thermal conductivity data are not available .

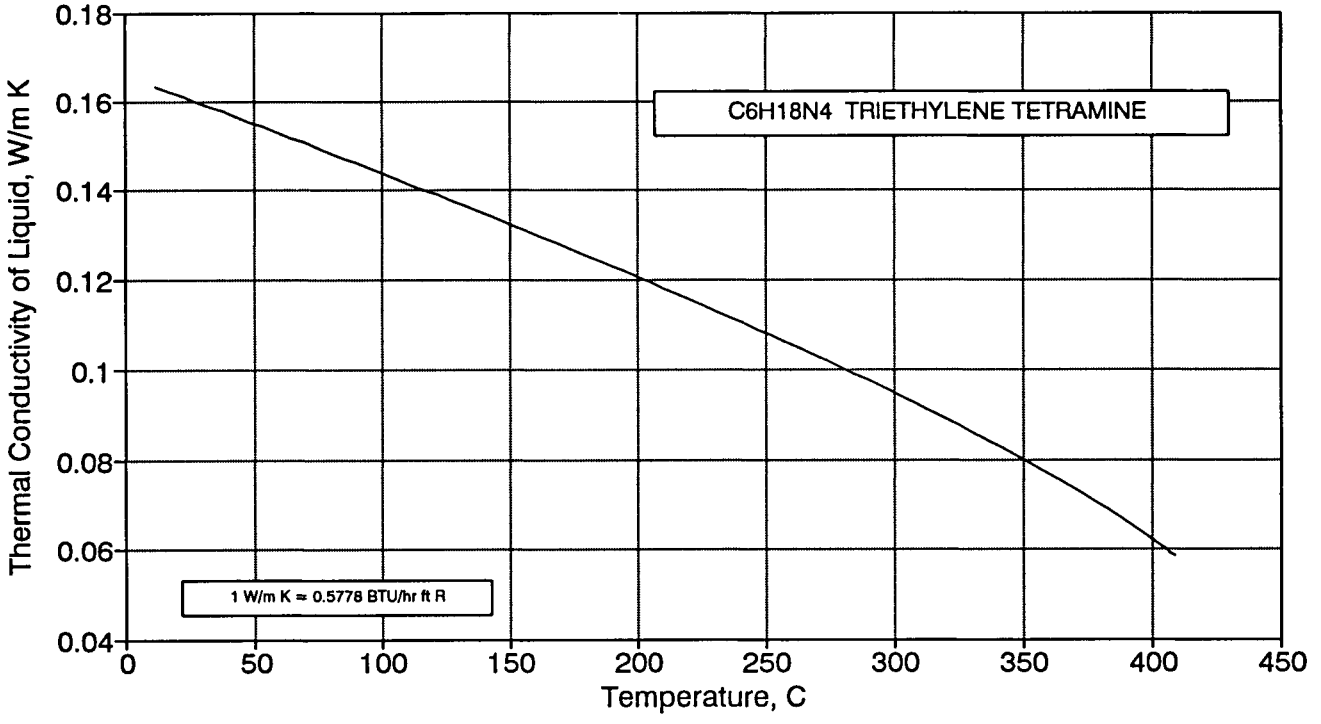
TF , K = 280.15

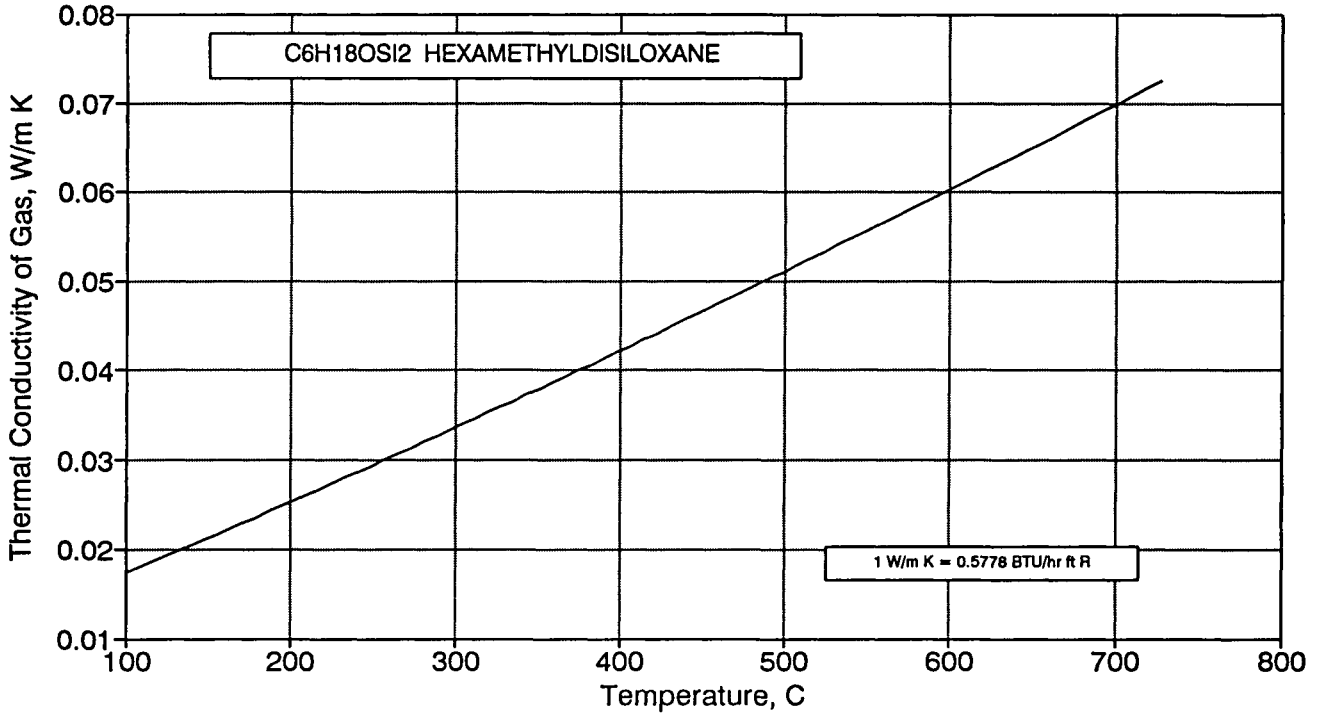
TB , K = 506.15

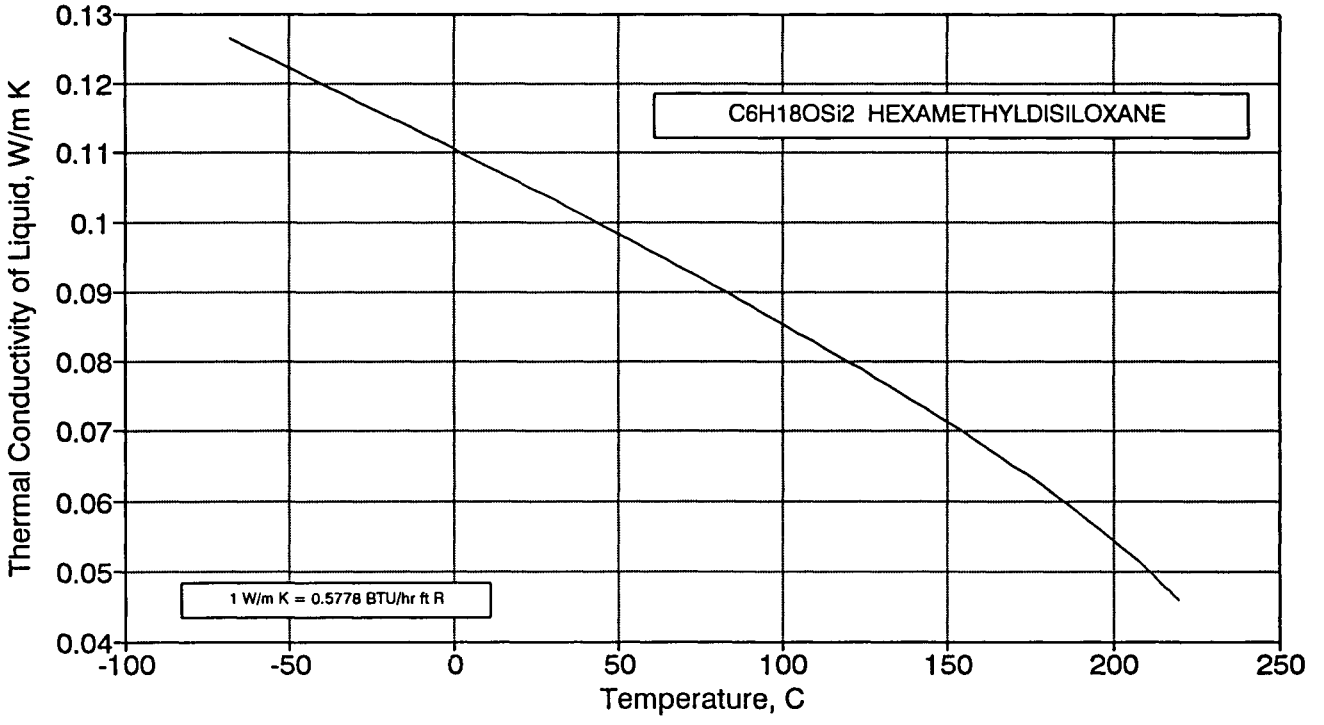
C6H18N3OP HEXAMETHYL PHOSPHORAMIDE

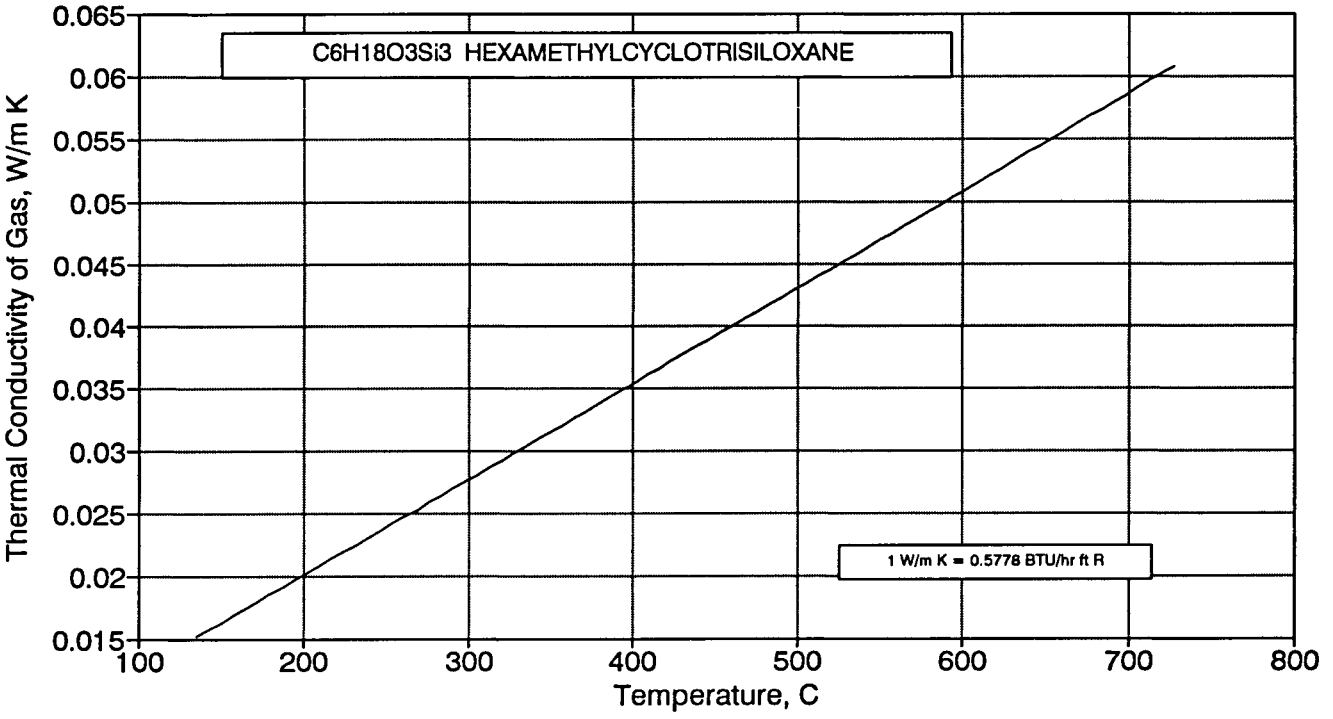
Liquid thermal conductivity data are not available .

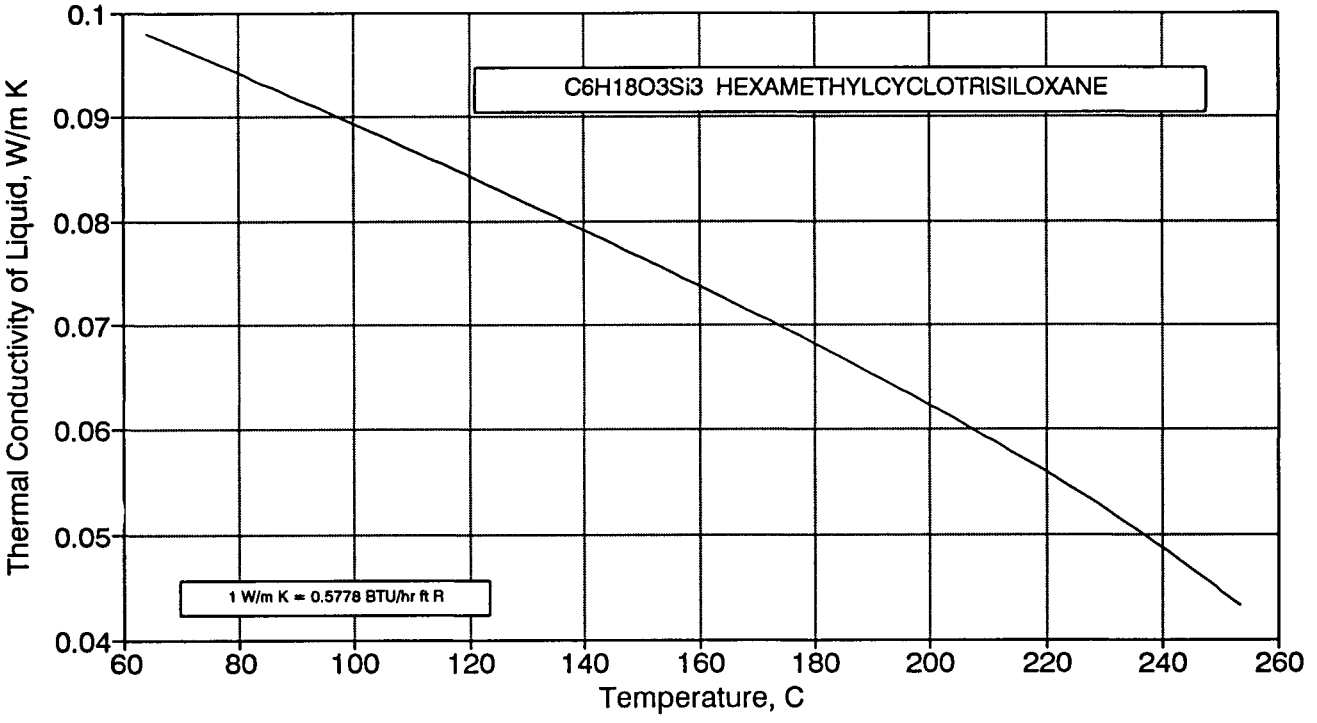

C6H18N4 TRIETHYLENE TETRAMINE
Thermal Conductivity of Gas, W/m K
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
250
300
350
400
450
500
550
600
650
700
750
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

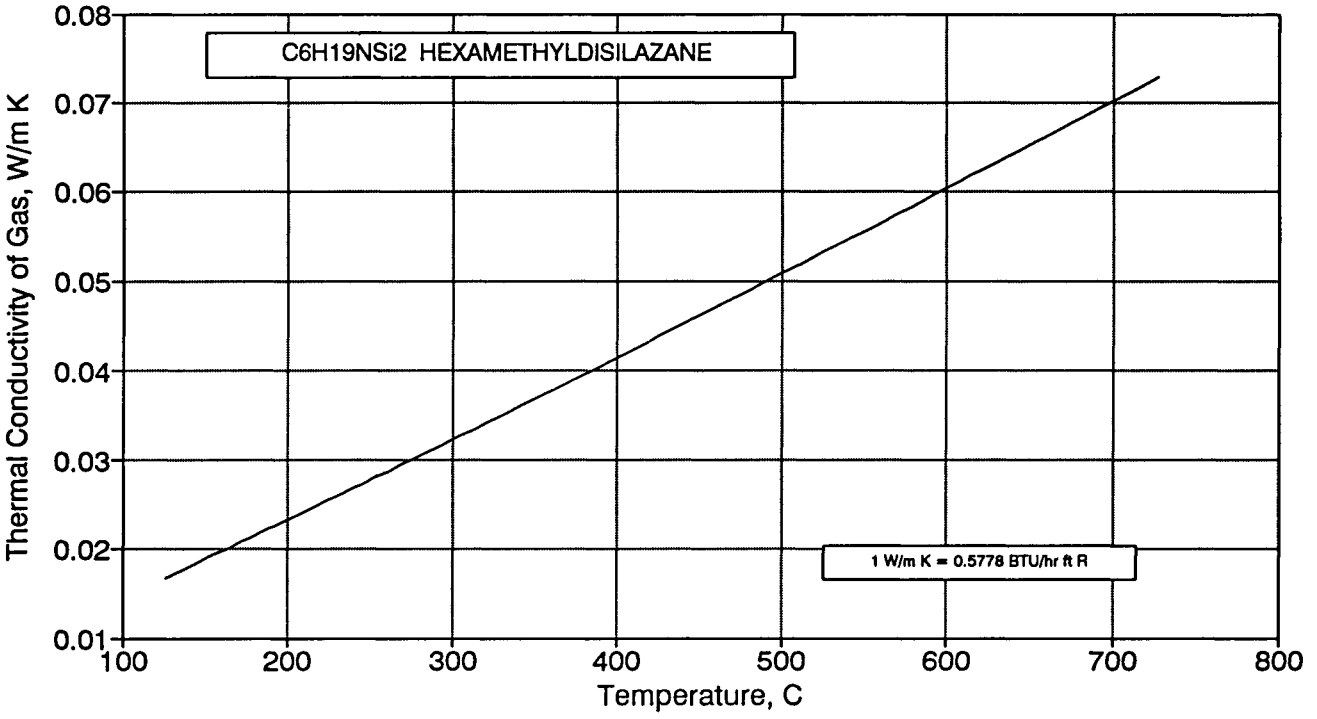

C6H18N4 TRIETHYLENE TETRAMINE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0
50
100
150
200
250
300
350
400
450
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

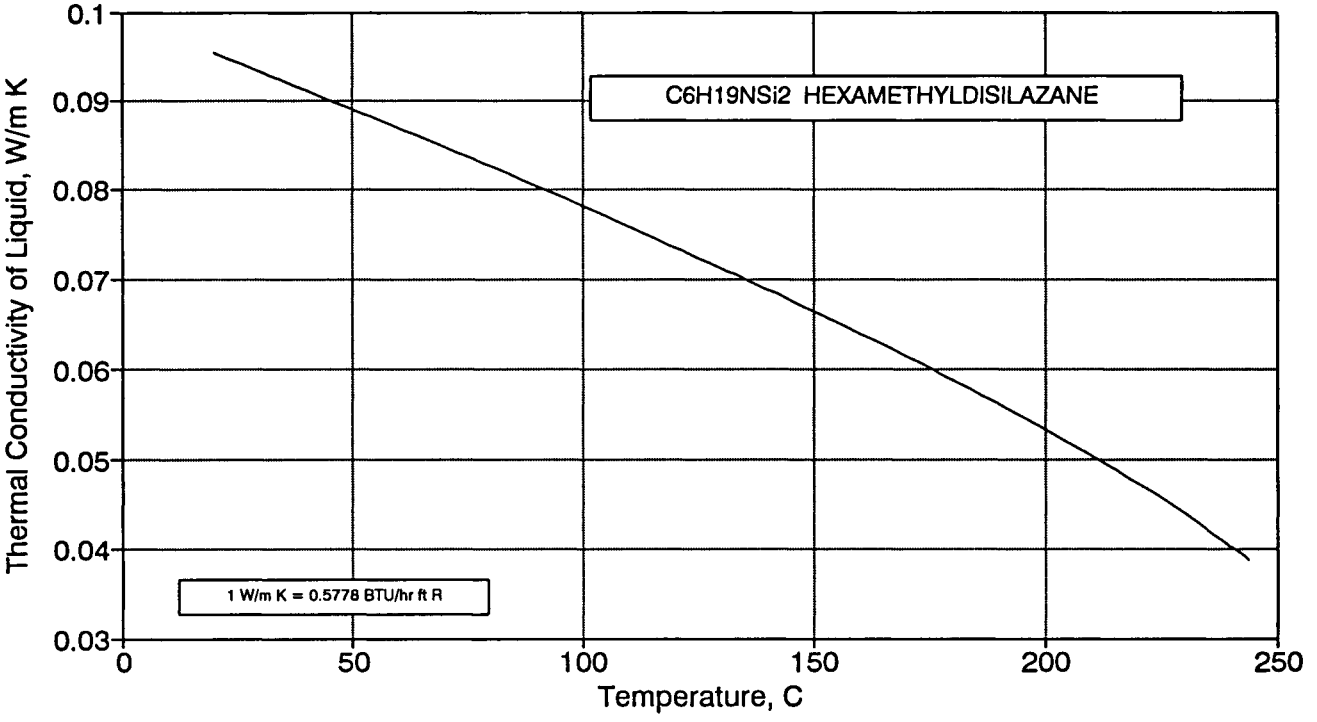

C6H18OSI2 HEXAMETHYLDISILOXANE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C


C6H18OSi2 HEXAMETHYLDISILOXANE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-100
-50
0
50
100
150
200
250
Temperature, C


C6H18O3Si3 HEXAMETHYLCYCLOTRISILOXANE
Thermal Conductivity of Gas, W/m K
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H18O3Si3 HEXAMETHYLCYCLOTRISILOXANE
Thermal Conductivity of Liquid, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
60
80
100
120
140
160
180
200
220
240
260
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C6H19NSi2 HEXAMETHYLDISILAZANE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800


C6H19NSi2 HEXAMETHYLDISILAZANE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0
50
100
150
200
250

C7H3ClF3NO2 4-CHLORO-3-NITROBENZOTRIFLUORIDE

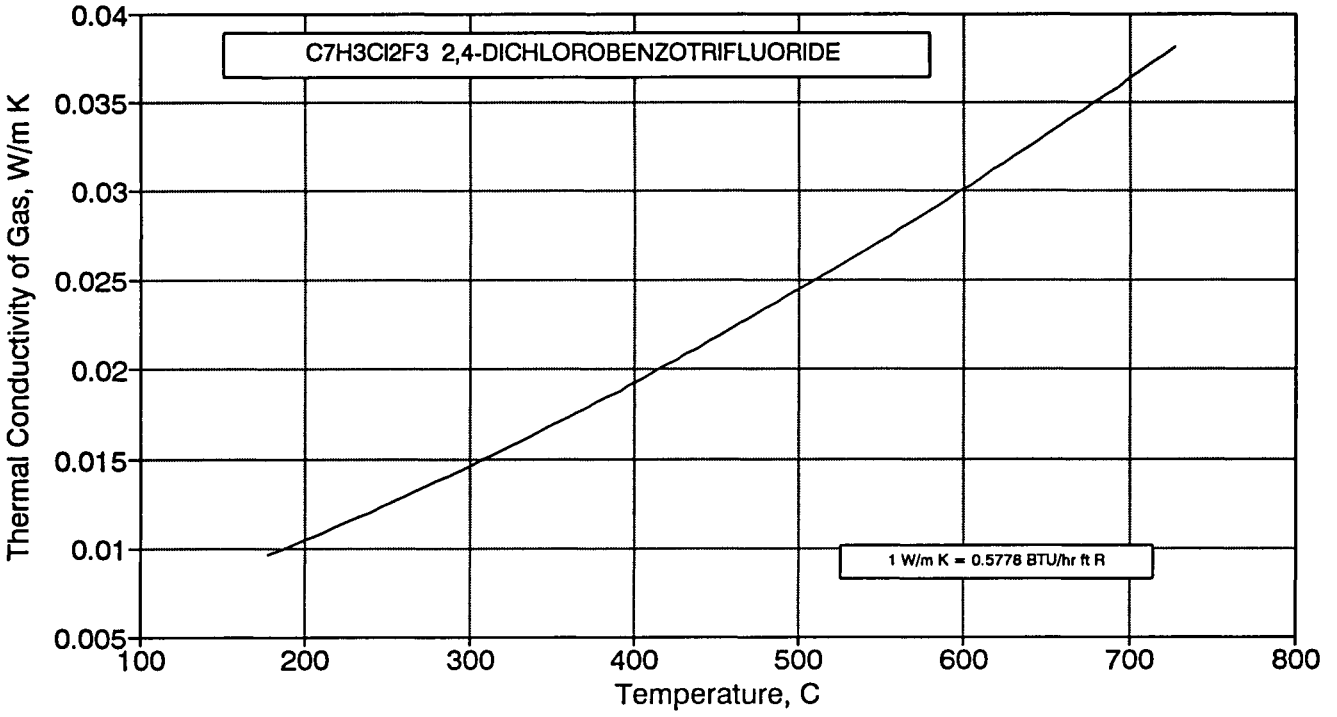
Gas thermal conductivity data are not available .

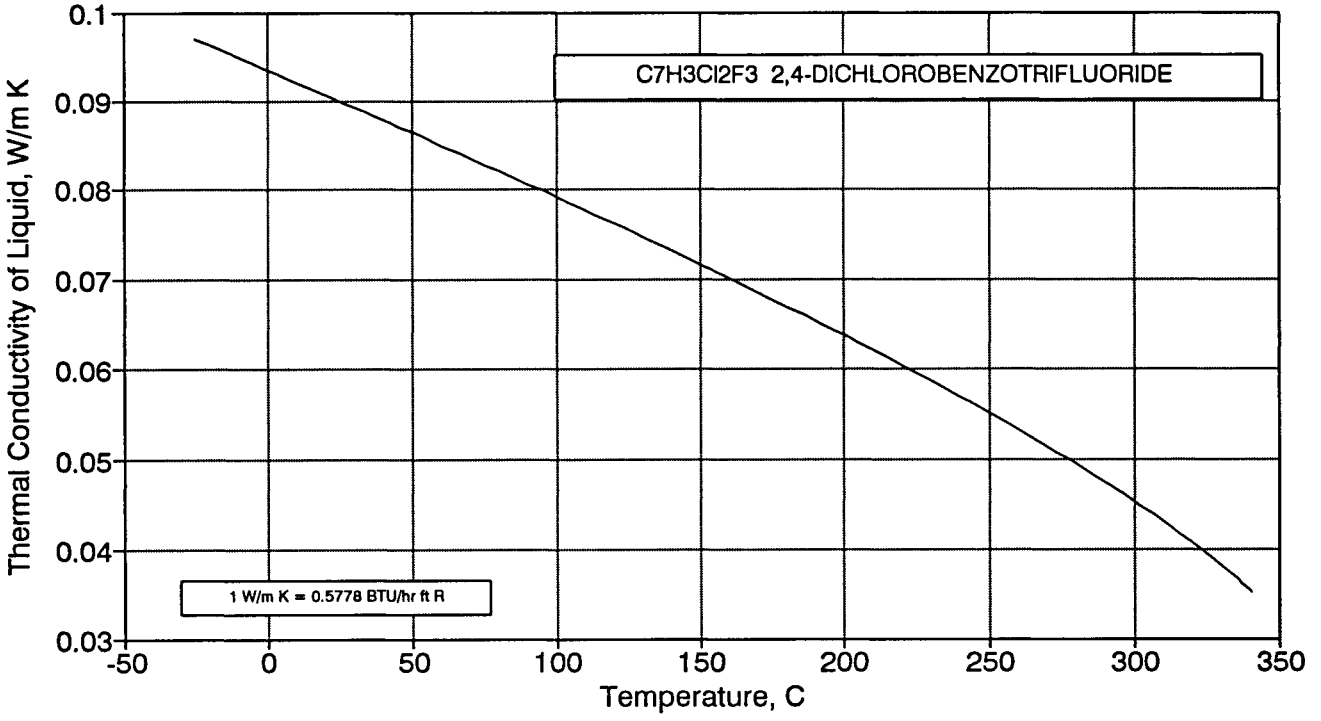
TF , K = not available

TB , K = 495.15

C7H3ClF3NO2 4-CHLORO-3-NITROBENZOTRIFLUORIDE

Liquid thermal conductivity data are not available .


C7H3Cl2F3 2,4-DICHLOROBENZOTRIFLUORIDE
Thermal Conductivity of Gas, W/m K
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

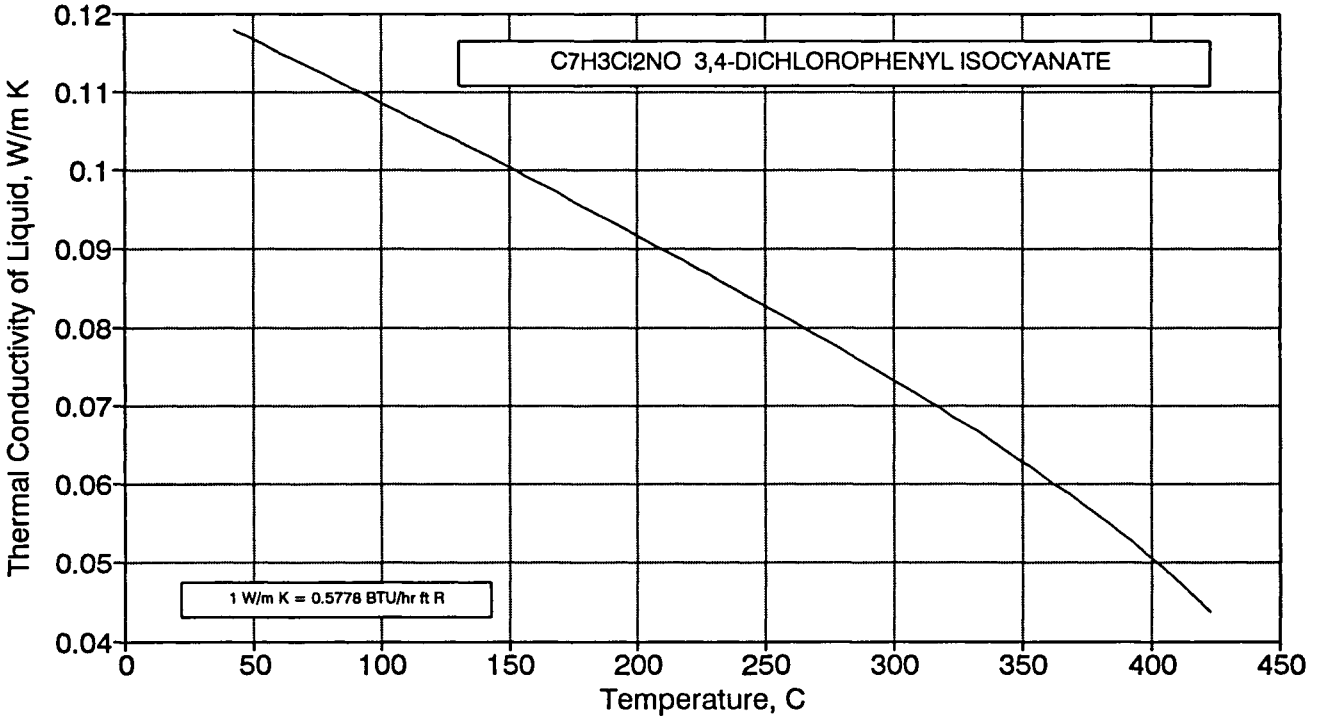

C7H3Cl2F3 2,4-DICHLOROBENZOTRIFLUORIDE
Thermal Conductivity of Liquid, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

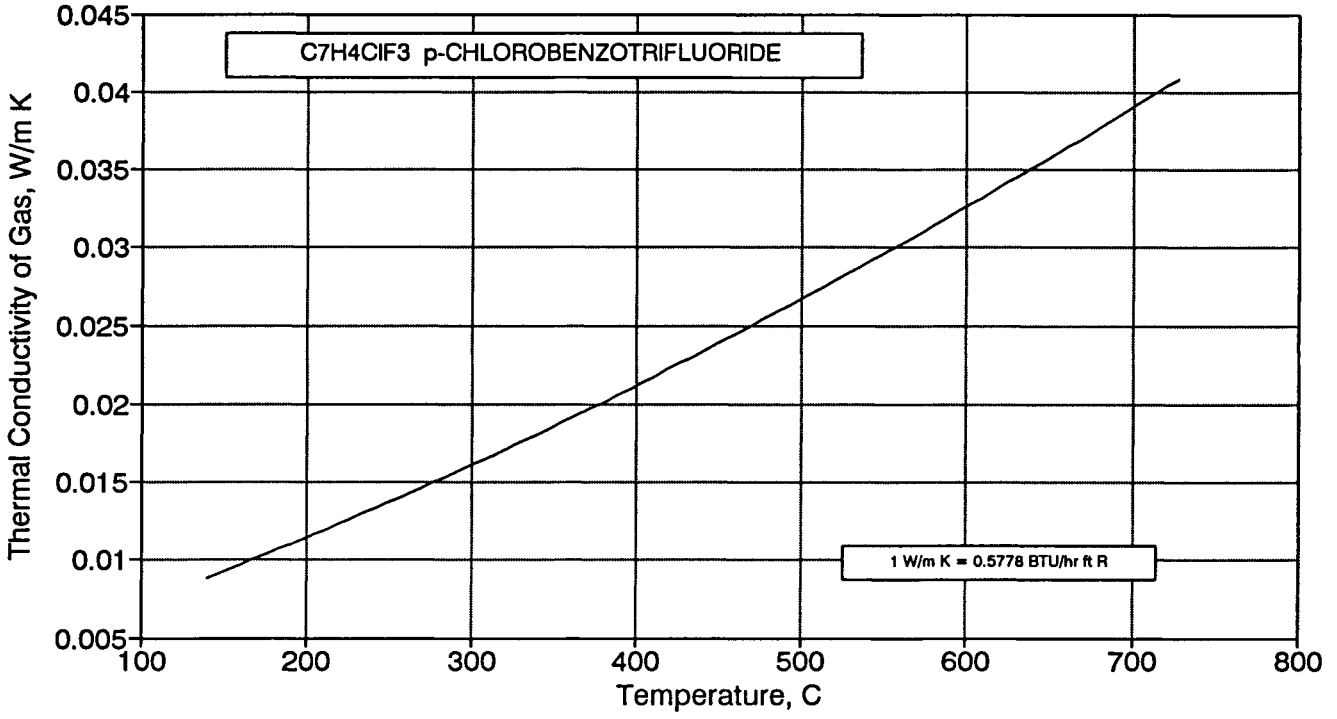
C7H3Cl2NO 3,4-DICHLOROPHENYL ISOCYANATE

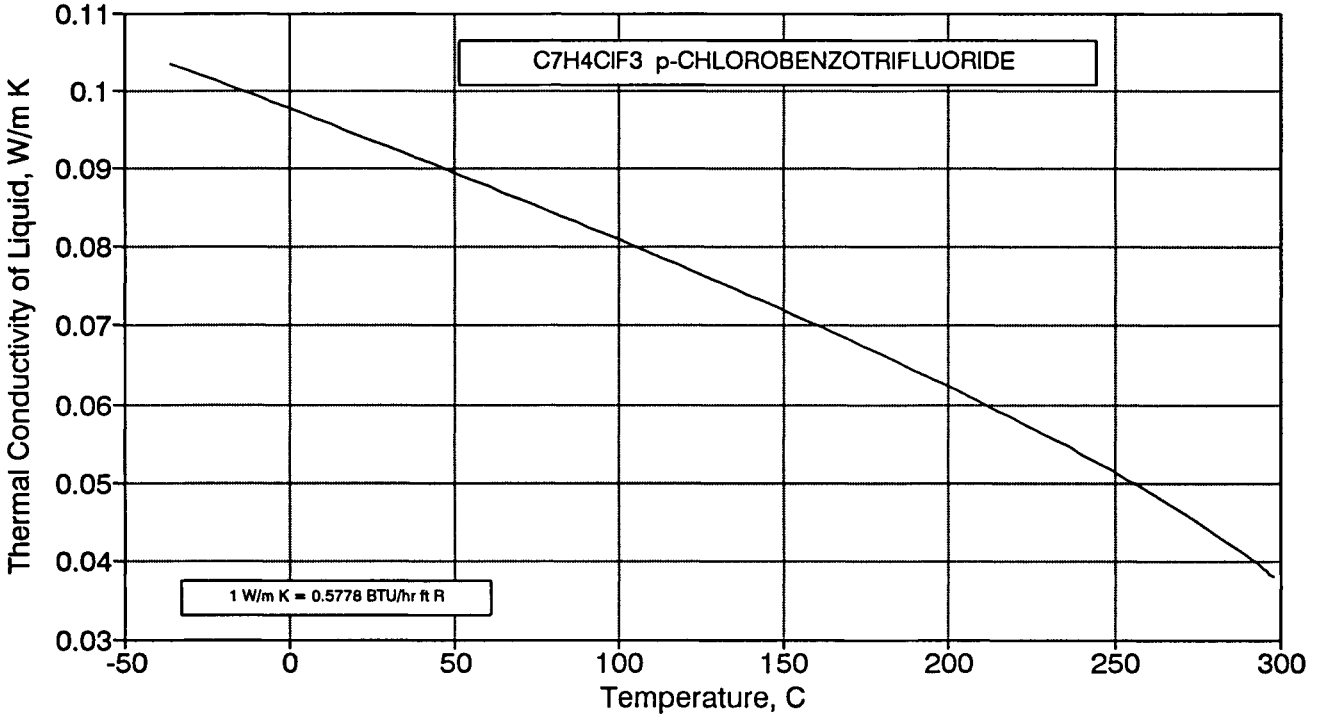
Gas thermal conductivity data are not available .

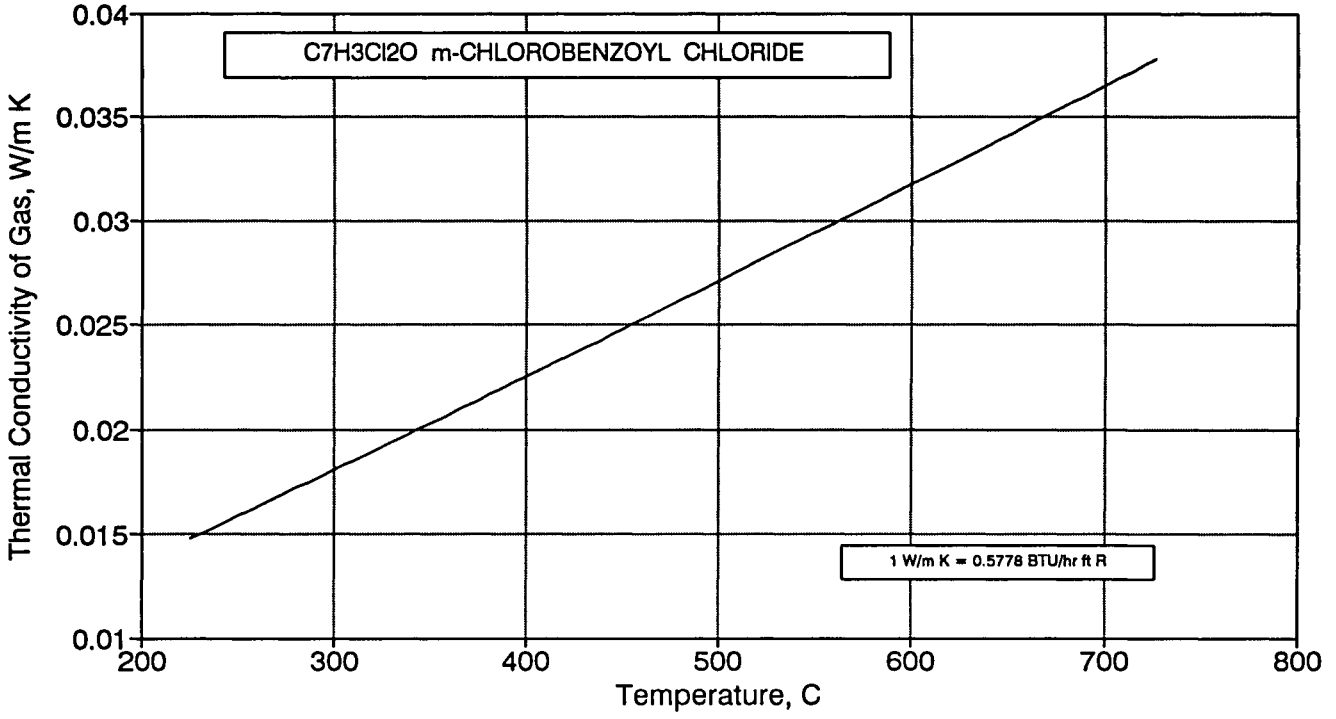
TF , K = 316.15

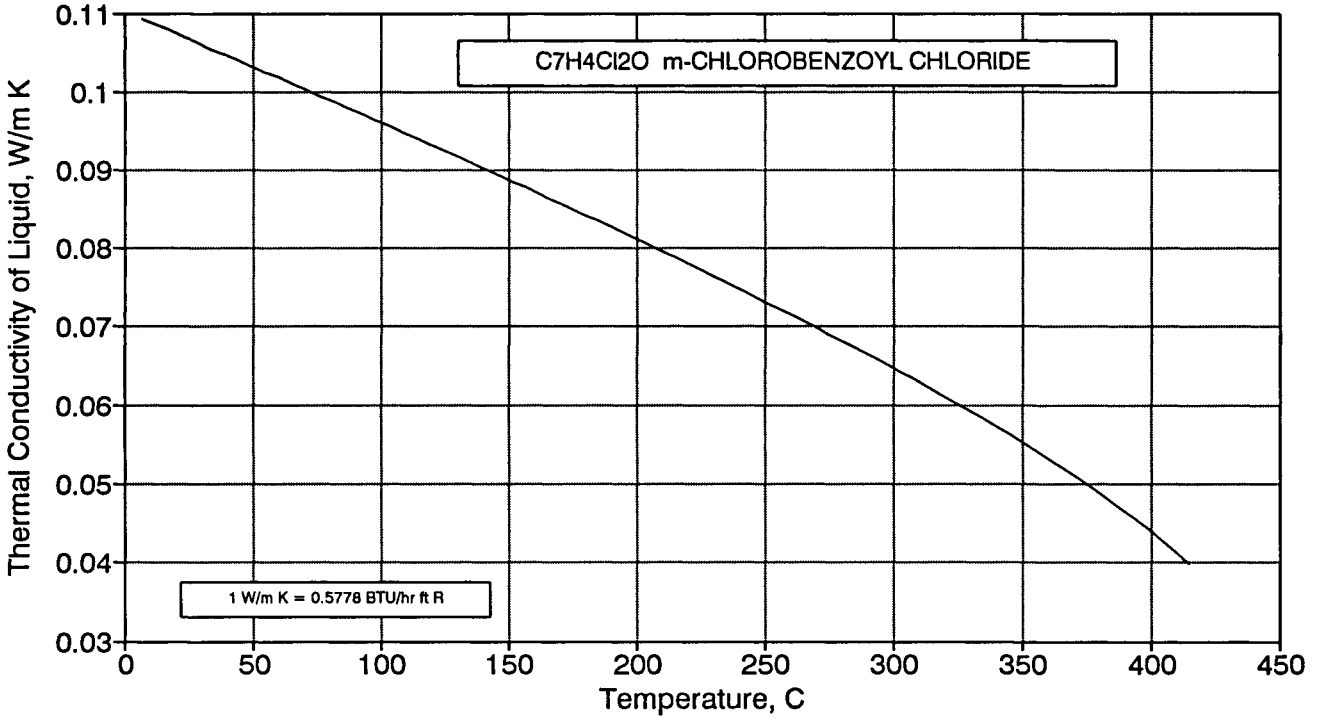
TB , K = 501.00




C7H4ClF3 p-CHLOROBENZOTRIFLUORIDE
Thermal Conductivity of Gas, W/m K
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C7H4ClF3 p-CHLOROBENZOTRIFLUORIDE
Thermal Conductivity of Liquid, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C7H3Cl2O m-CHLOROBENZOYL CHLORIDE
Thermal Conductivity of Gas, W/m K
0.04
0.035
0.03
0.025
0.02
0.015
0.01
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C7H4Cl2O m-CHLOROBENZOYL CHLORIDE
Thermal Conductivity of Liquid, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0
50
100
150
200
250
300
350
400
450
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

C7H4F3NO2 3-NITROBENZOTRIFLUORIDE

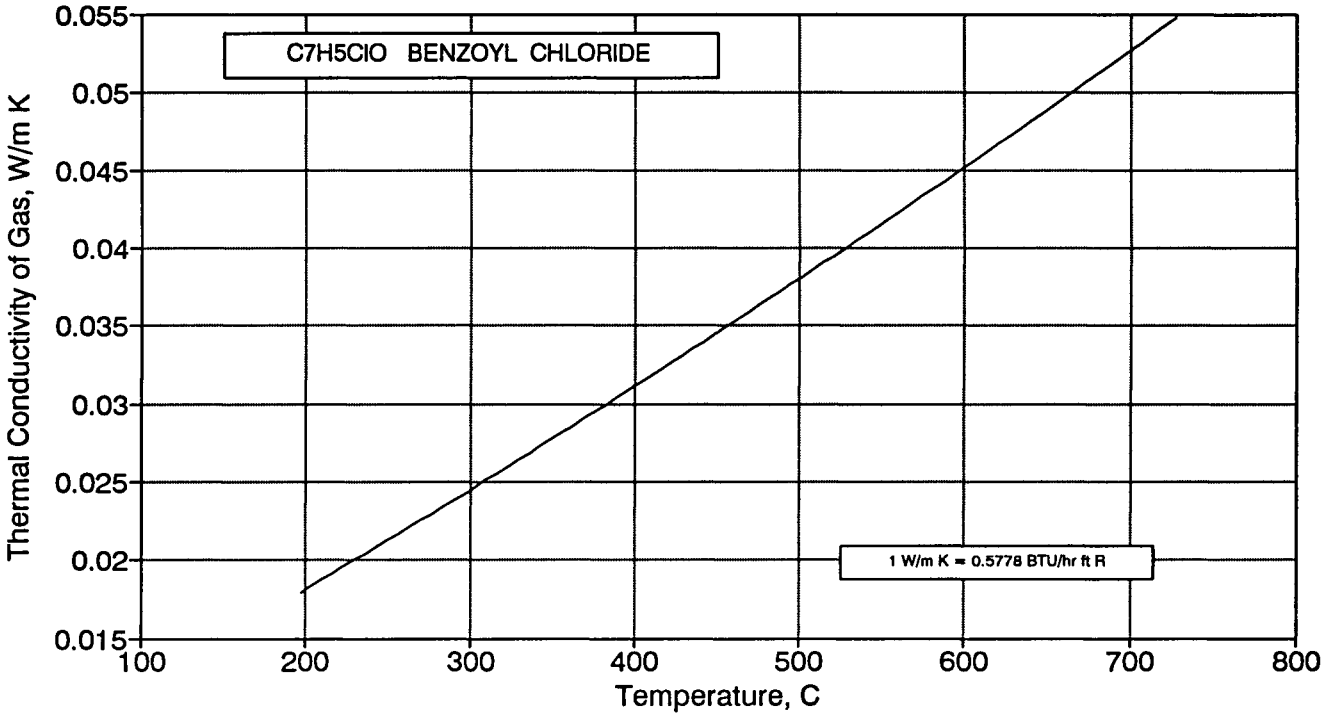
Gas thermal conductivity data are not available .

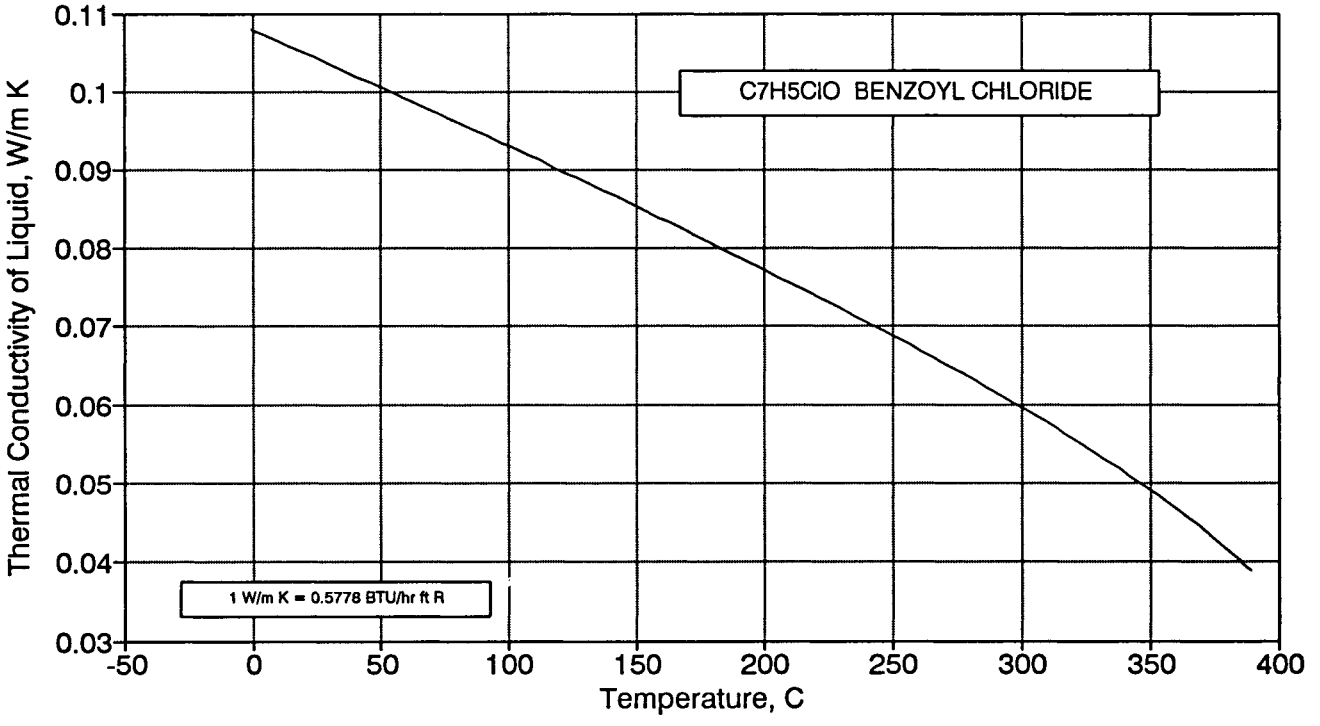
TF , K = 272.00

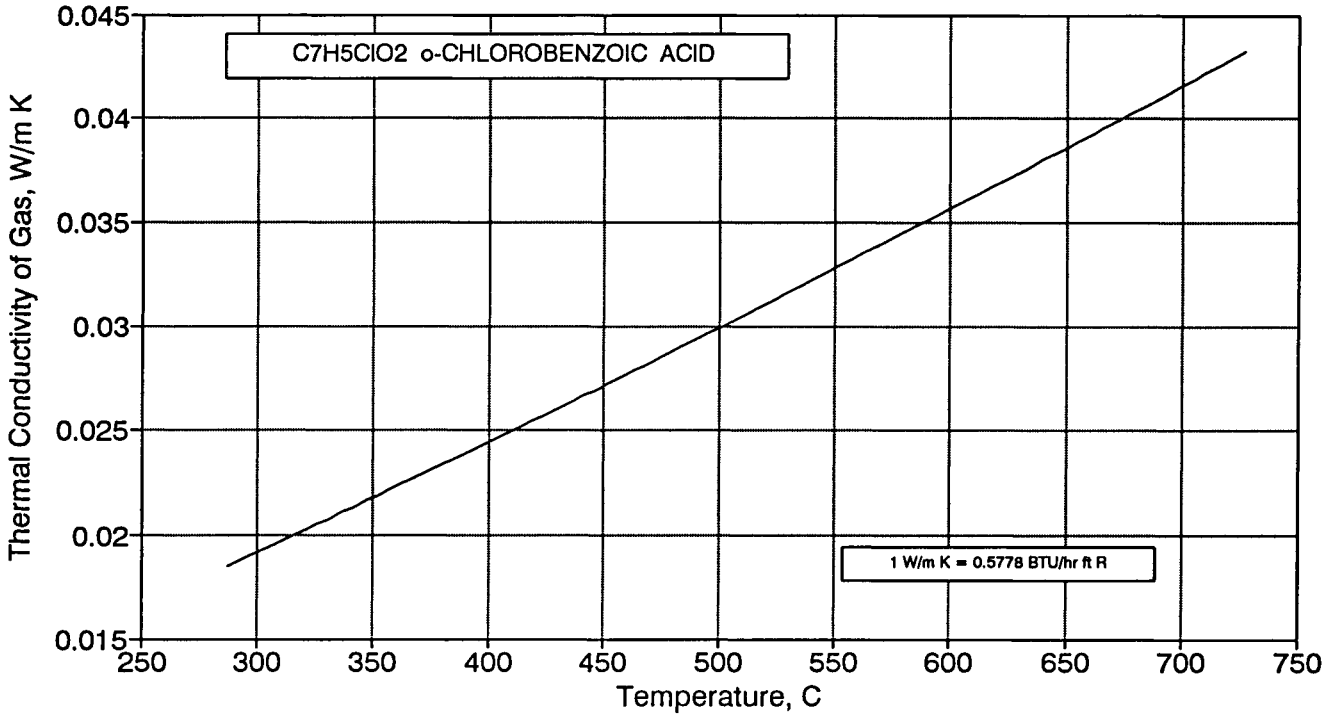
TB , K = 475.93

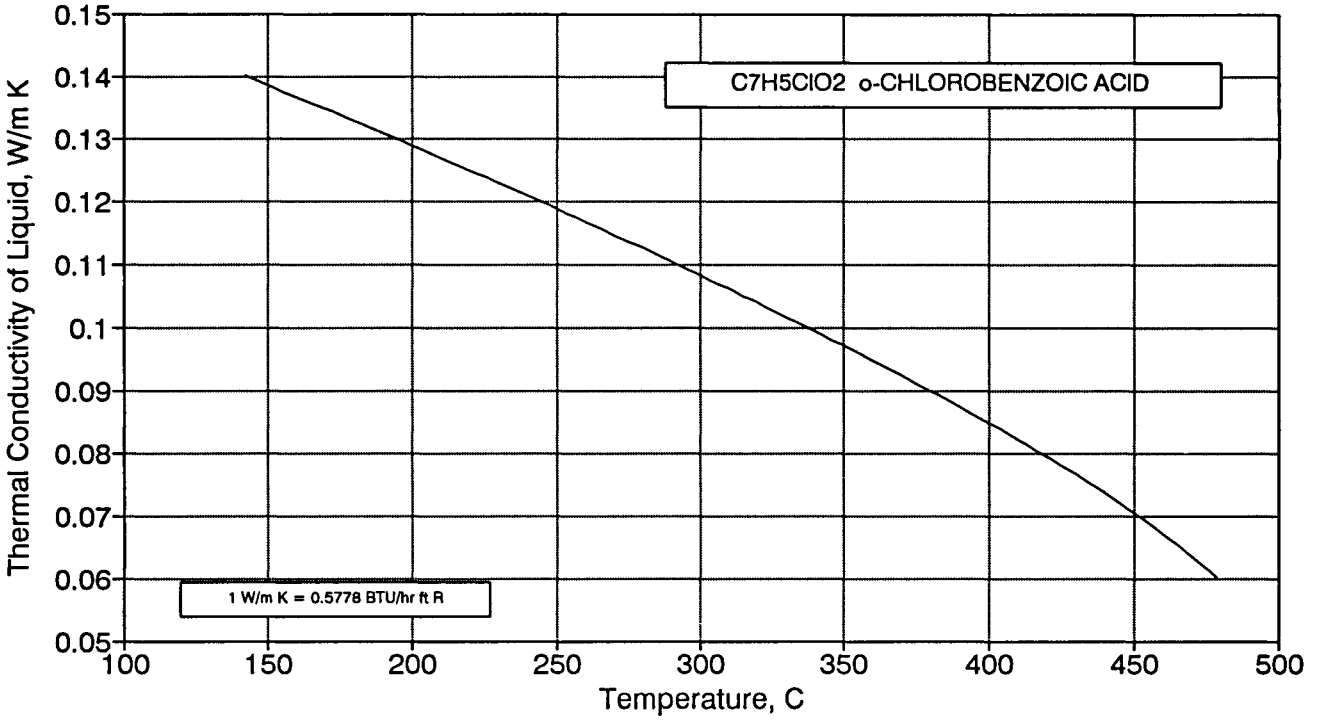
C7H4F3NO2 3-NITROBENZOTRIFLUORIDE

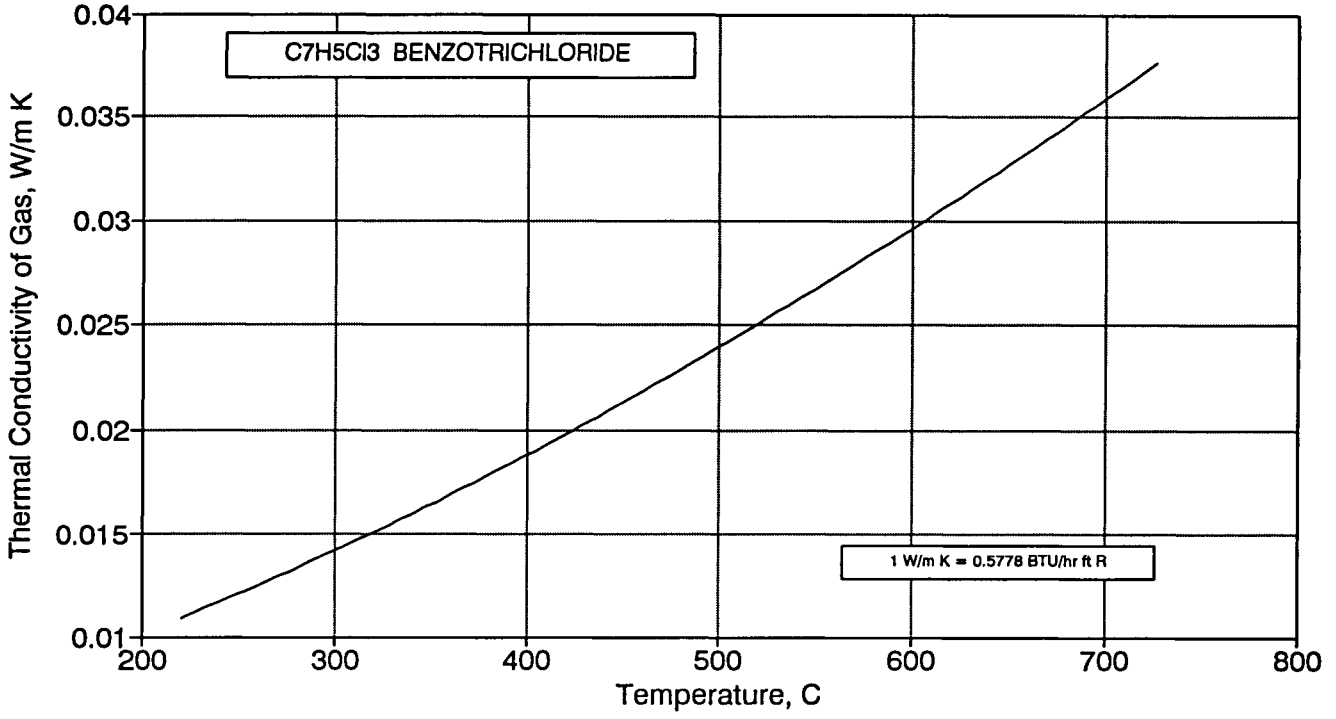
Liquid thermal conductivity data are not available .

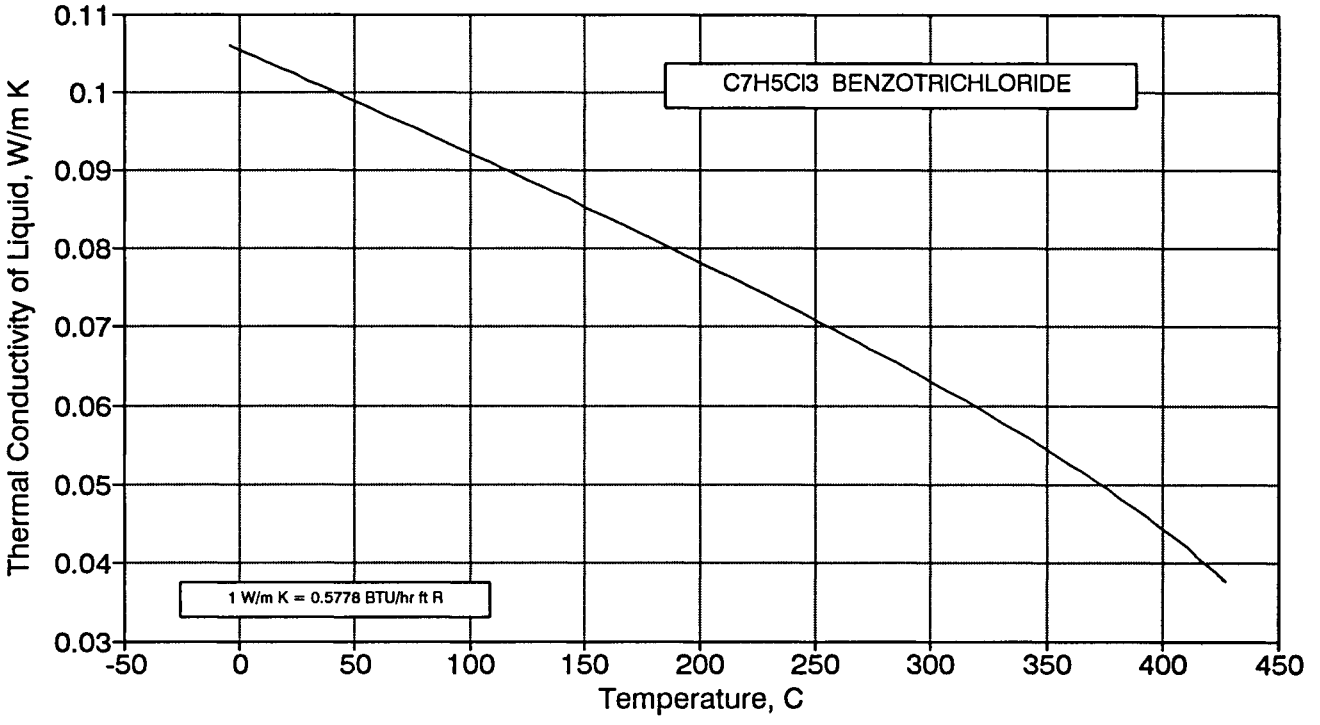

C7H5ClO BENZOYL CHLORIDE
Thermal Conductivity of Gas, W/m K
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

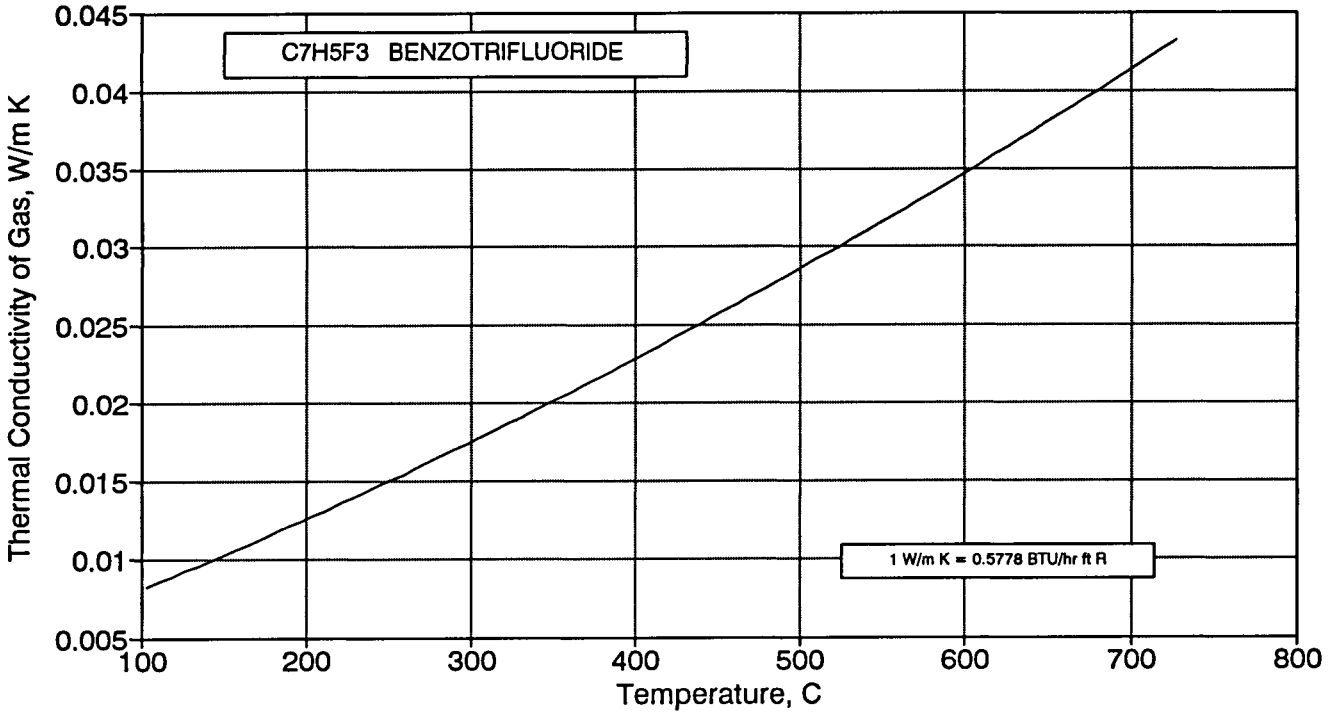

C7H5ClO BENZOYL CHLORIDE
Thermal Conductivity of Liquid, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
-50
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

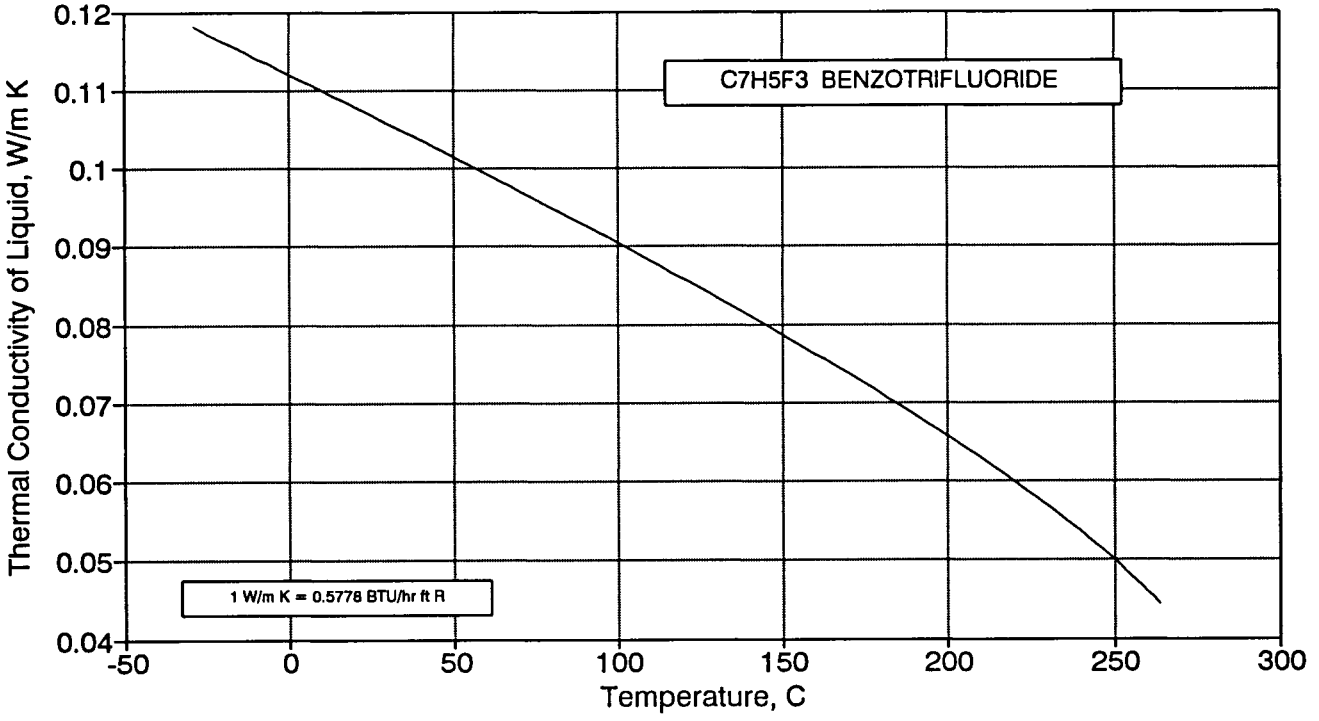

C7H5ClO2 o-CHLOROBENZOIC ACID
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.045
0.04
0.035
0.03
0.025
0.02
0.015
250
300
350
400
450
500
550
600
650
700
750
Temperature, C

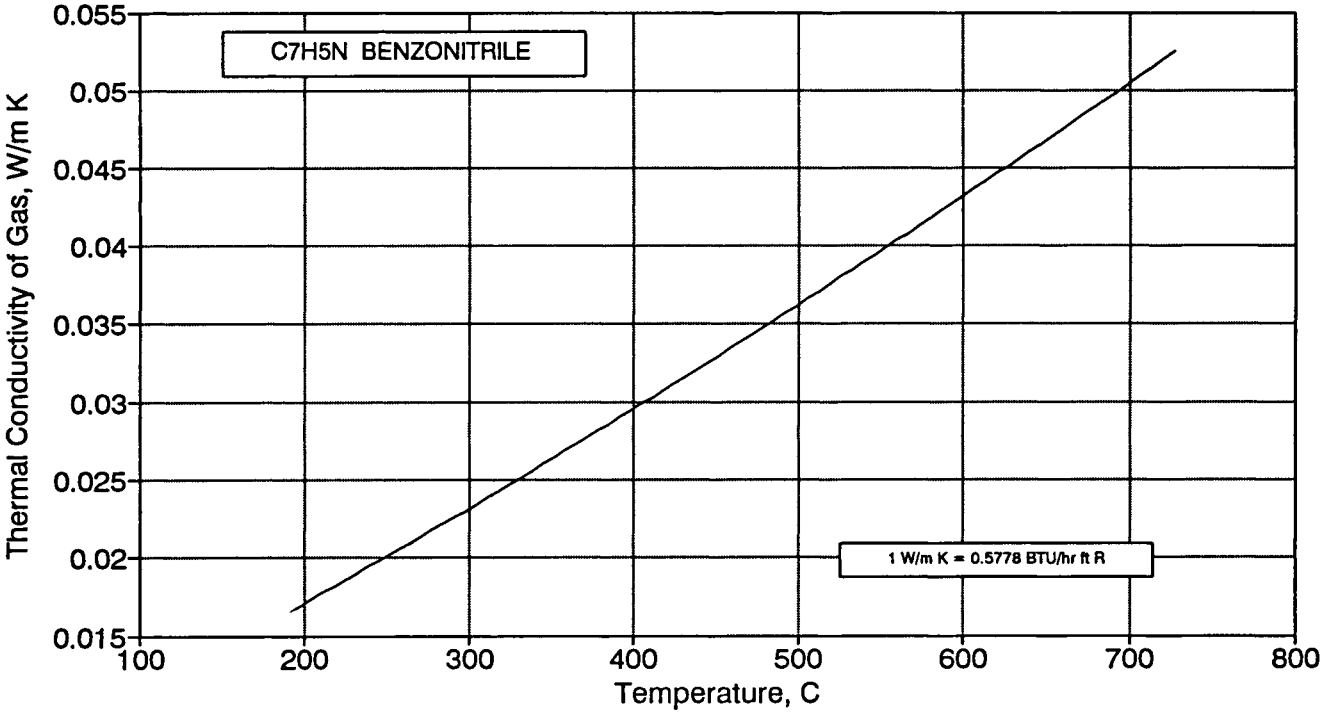

C7H5ClO2 o-CHLOROBENZOIC ACID
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
100
150
200
250
300
350
400
450
500
Temperature, C


C7H5Cl3 BENZOTRICHLORIDE
Thermal Conductivity of Gas, W/m K
0.04
0.035
0.03
0.025
0.02
0.015
0.01
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C7H5Cl3 BENZOTRICHLORIDE
Thermal Conductivity of Liquid, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
-50
0
50
100
150
200
250
300
350
400
450
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

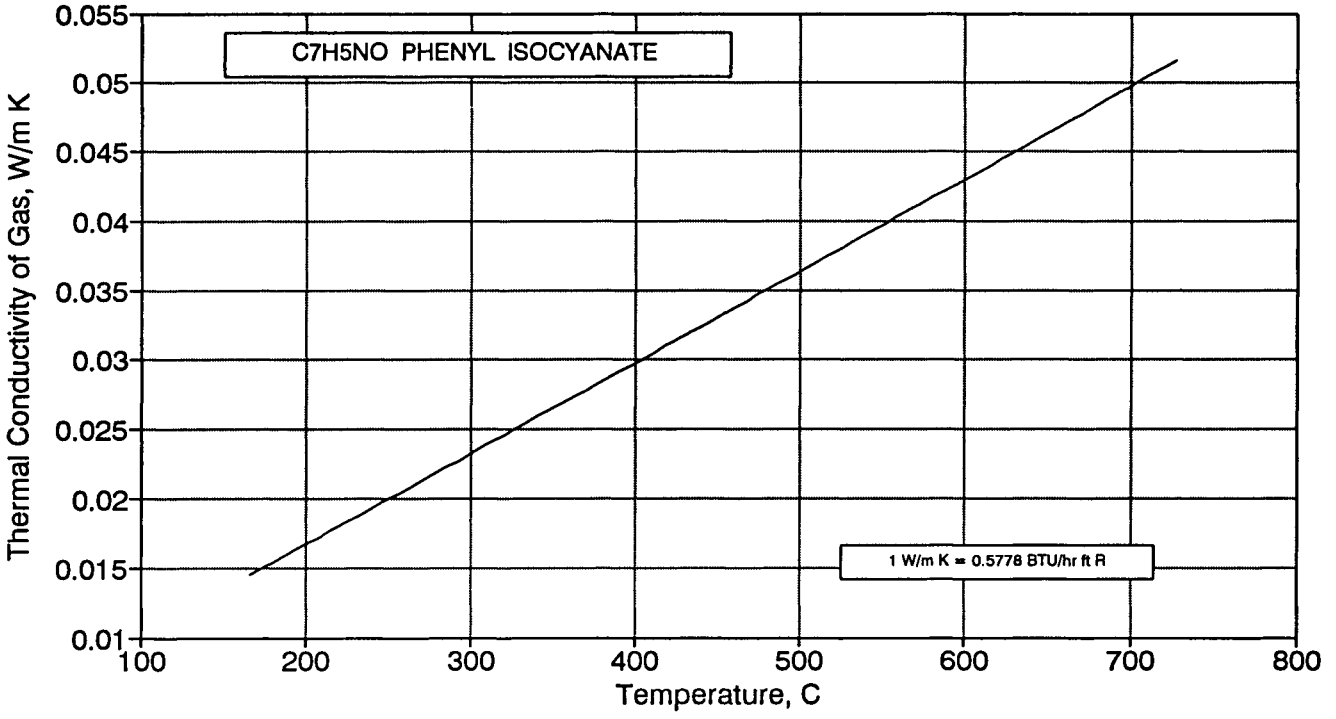

C7H5F3 BENZOTRIFLUORIDE
Thermal Conductivity of Gas, W/m K
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

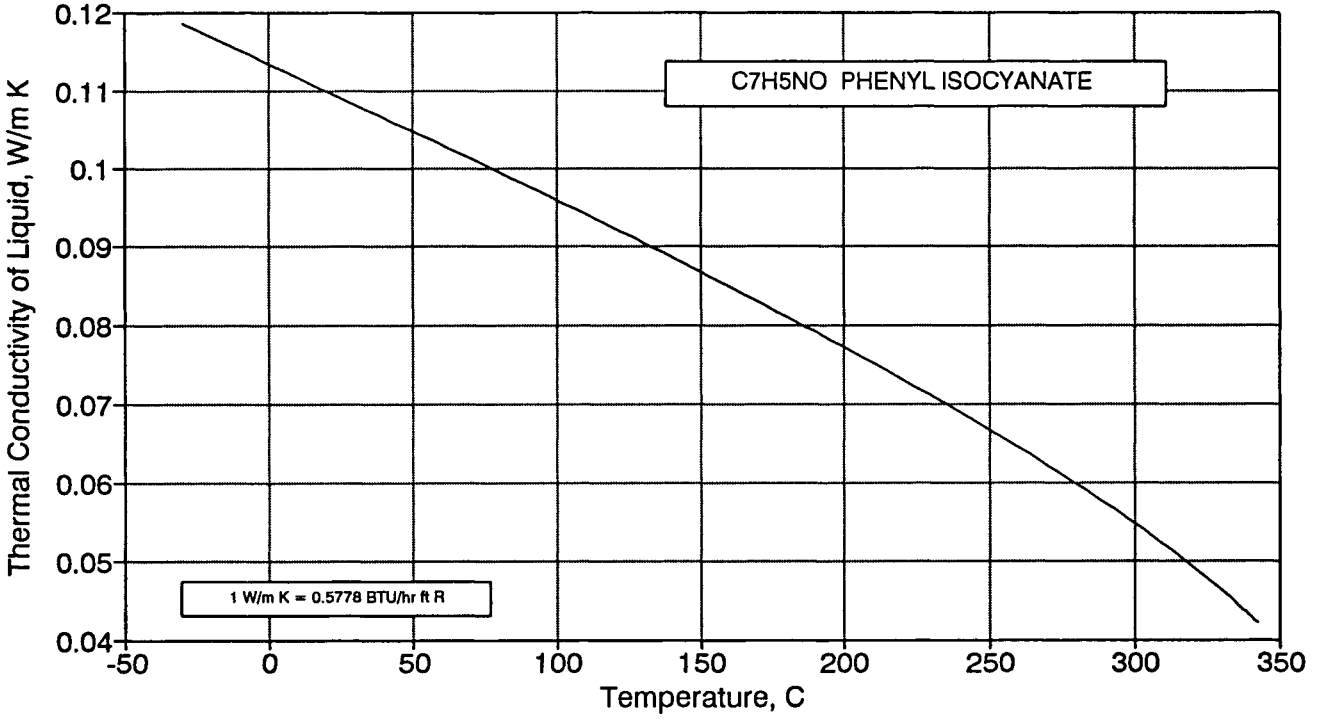

C7H5F3 BENZOTRIFLUORIDE
Thermal Conductivity of Liquid, W/m K
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R



C7H5N BENZONITRILE

One liquid thermal conductivity value is available:
1.4850 E-01 W/m K @ 298.15 K.


C7H5NO PHENYL ISOCYANATE
Thermal Conductivity of Gas, W/m K
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

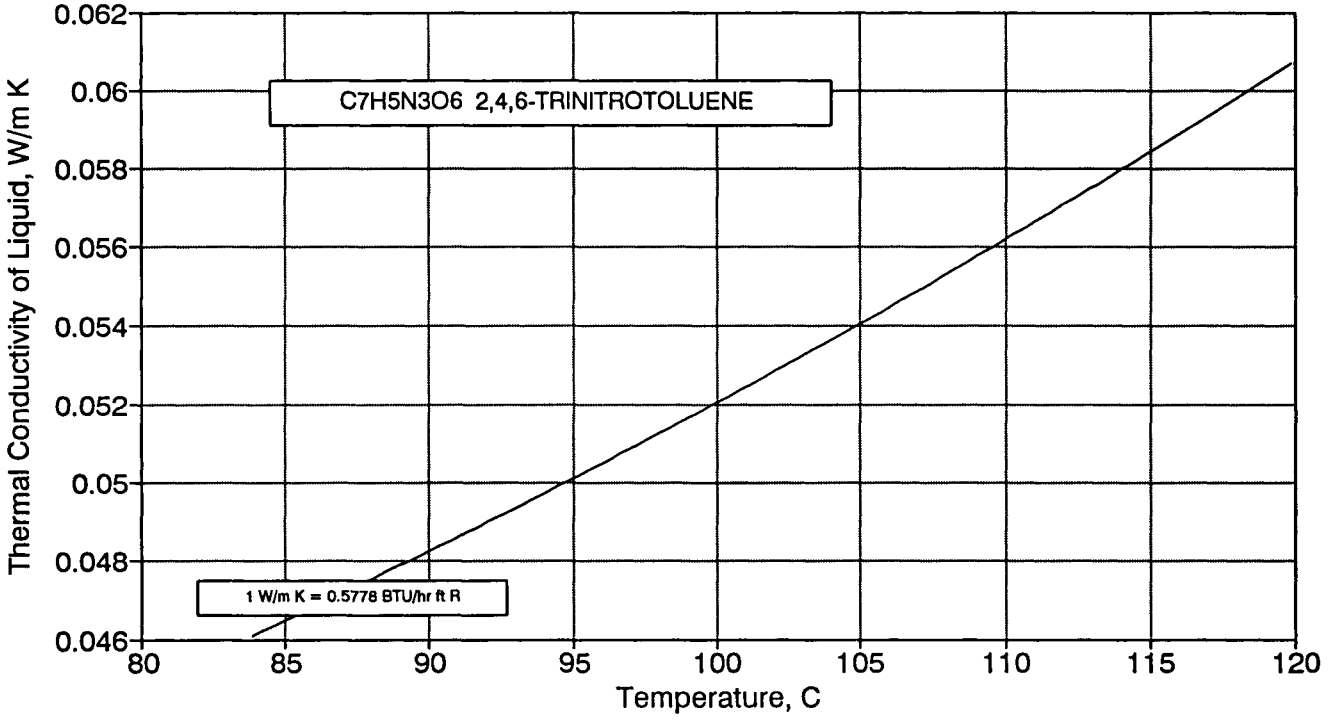

C7H5NO PHENYL ISOCYANATE
Thermal Conductivity of Liquid, W/m K
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

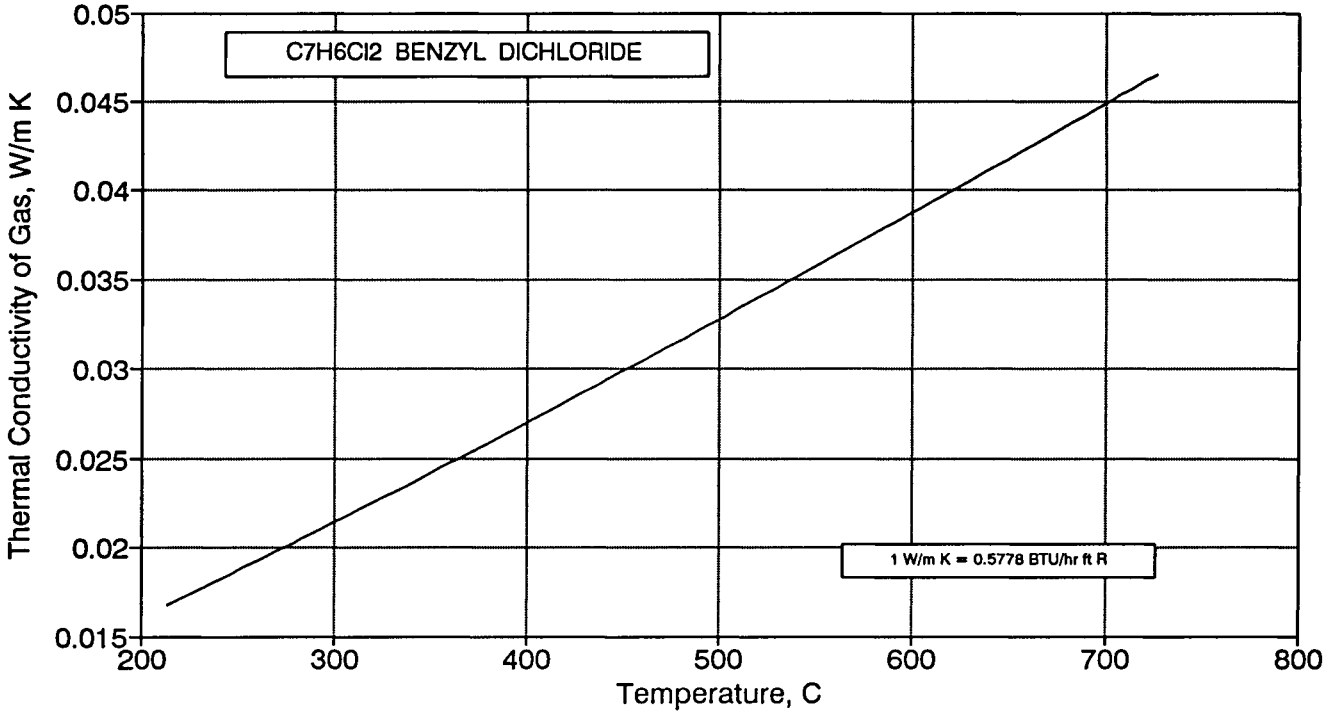
C7H5N3O6 2,4,6-TRINITROTOLUENE

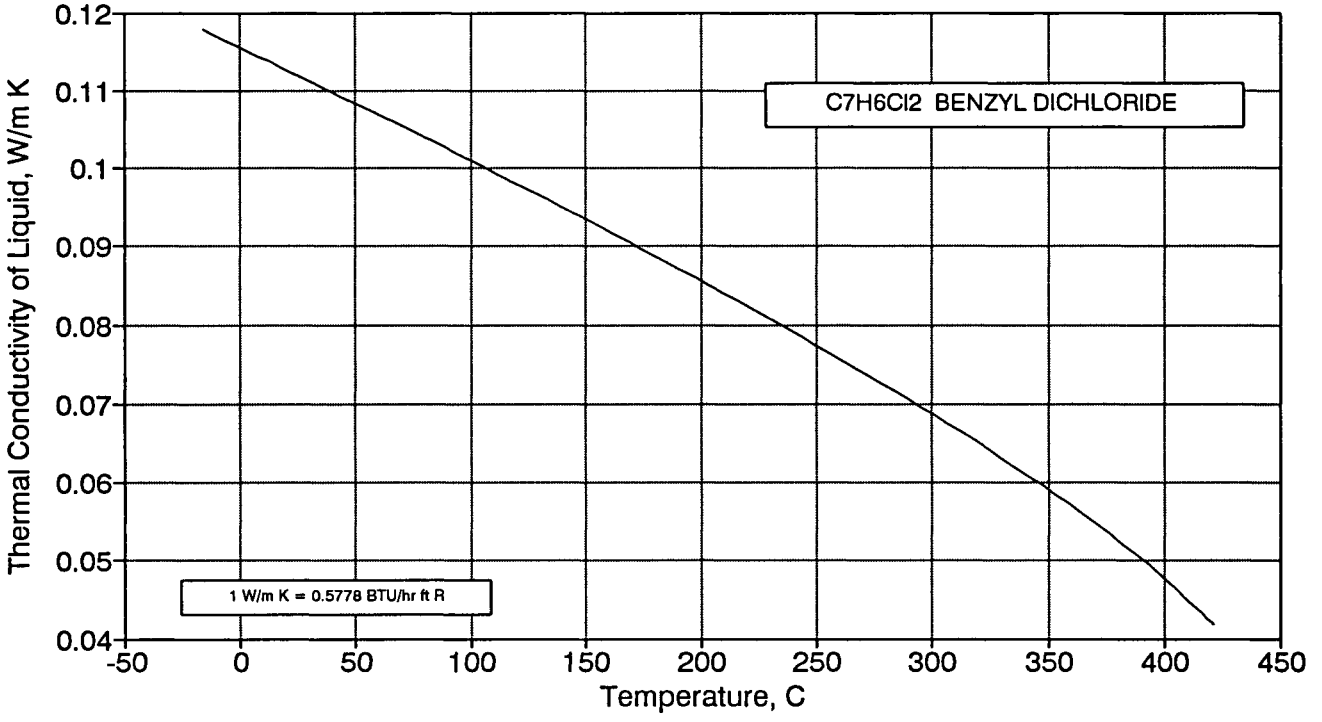
Gas thermal conductivity data are not available.

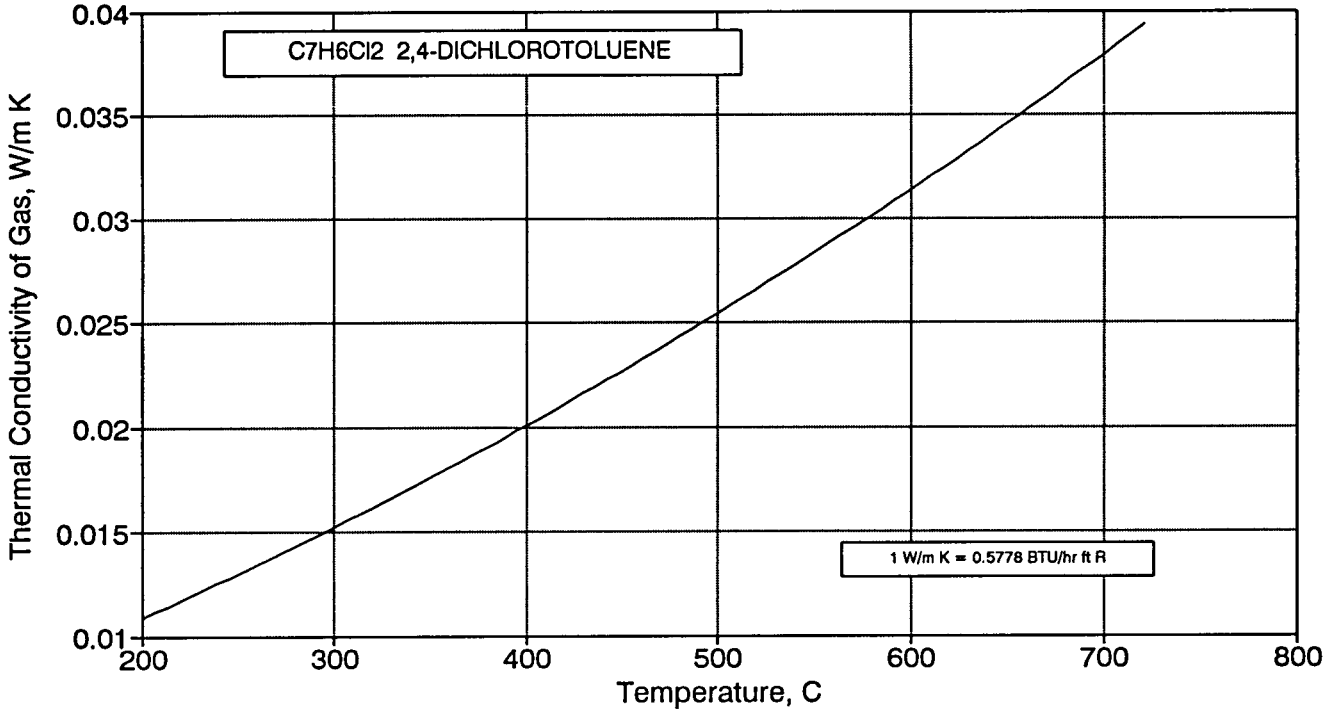
TF, K = 354.00

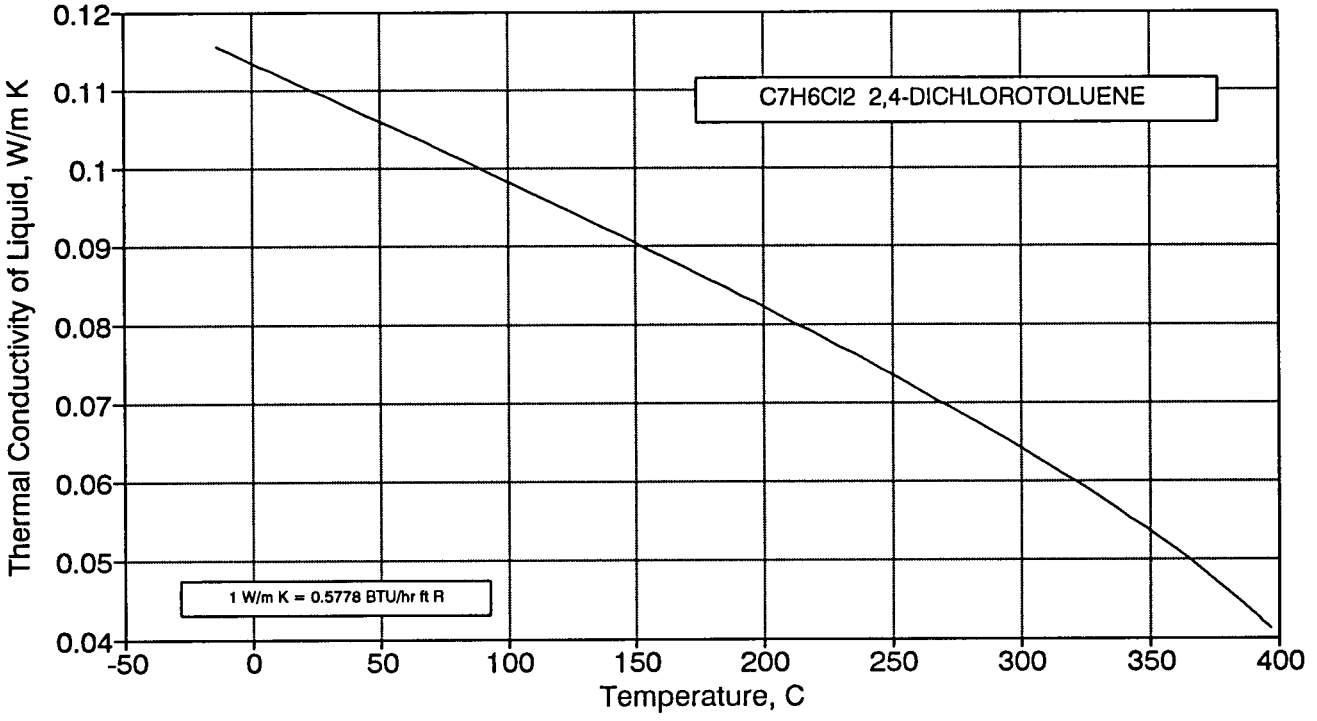
TB, K = 573.00




C7H6Cl2 BENZYL DICHLORIDE
Thermal Conductivity of Gas, W/m K
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C7H6Cl2 BENZYL DICHLORIDE
Thermal Conductivity of Liquid, W/m K
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-50
0
50
100
150
200
250
300
350
400
450
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C7H6Cl2 2,4-DICHLOROTOLUENE
Thermal Conductivity of Gas, W/m K
0.04
0.035
0.03
0.025
0.02
0.015
0.01
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C7H6Cl2 2,4-DICHLOROTOLUENE
Thermal Conductivity of Liquid, W/m K
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-50
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

C7H6N2O4 2,4-DINITROTOLUENE

Gas thermal conductivity data are not available .

TF , K = 343.00

TB , K = 590.00

C7H6N2O4 2,4-DINITROTOLUENE

Liquid thermal conductivity data are not available .

C7H6N2O4 2,5-DINITROTOLUENE

Gas thermal conductivity data are not available .

TF , K = 325.65

TB , K = 590.00

C7H6N2O4 2,5-DINITROTOLUENE

Liquid thermal conductivity data are not available .

C7H6N2O4 2,6-DINITROTOLUENE

Gas thermal conductivity data are not available .

TF , K = 339.00

TB , K = 558.00

C7H6N2O4 2,6-DINITROTOLUENE

Liquid thermal conductivity data are not available .

C7H6N2O4 3,4-DINITROTOLUENE

Gas thermal conductivity data are not available .

TF , K = 332.00

TB , K = 610.00

C7H6N2O4 3,4-DINITROTOLUENE

Liquid thermal conductivity data are not available .

C7H6N2O4 3,5-DINITROTOLUENE

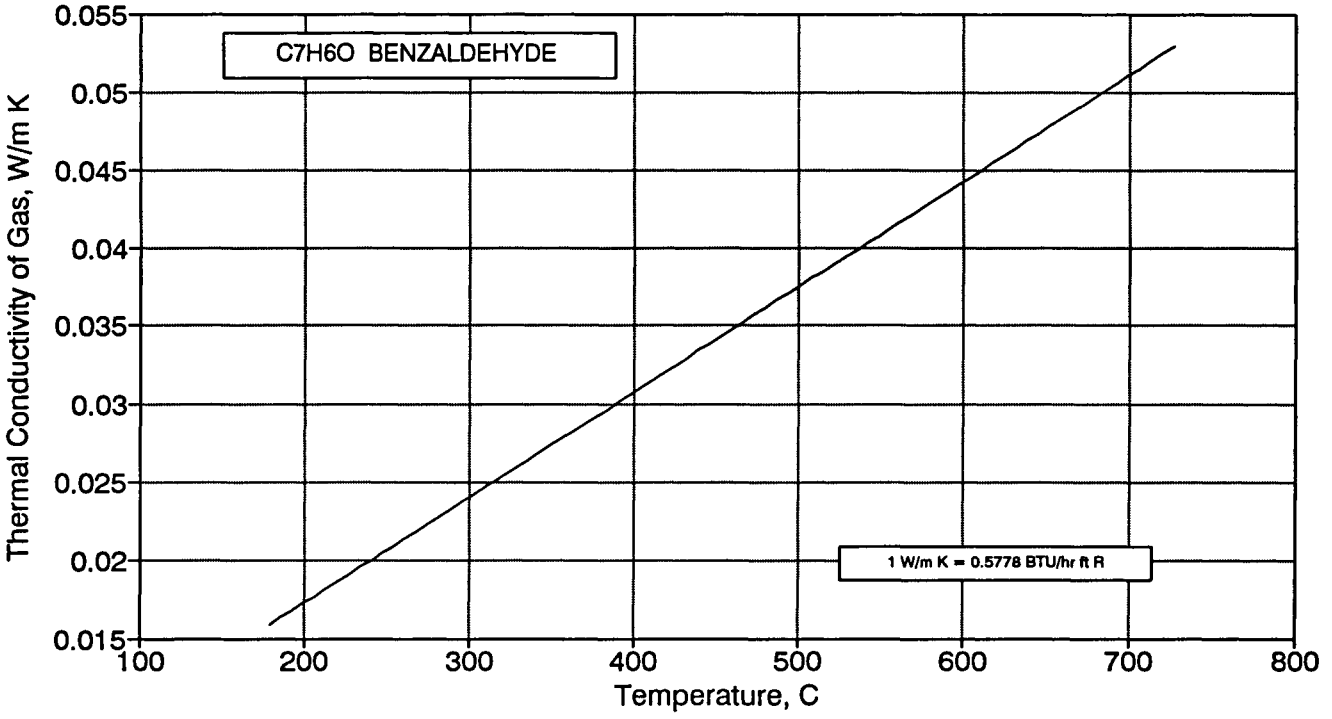
Gas thermal conductivity data are not available .

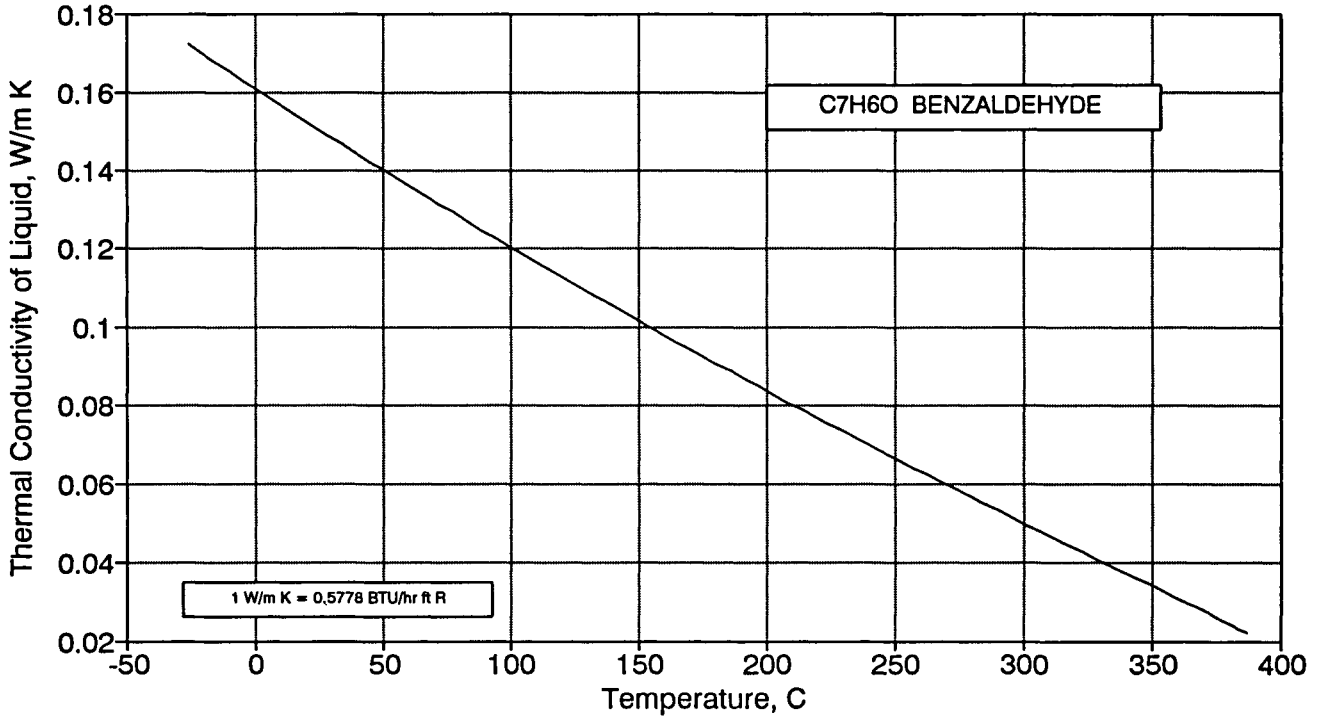
TF , K = 365.65

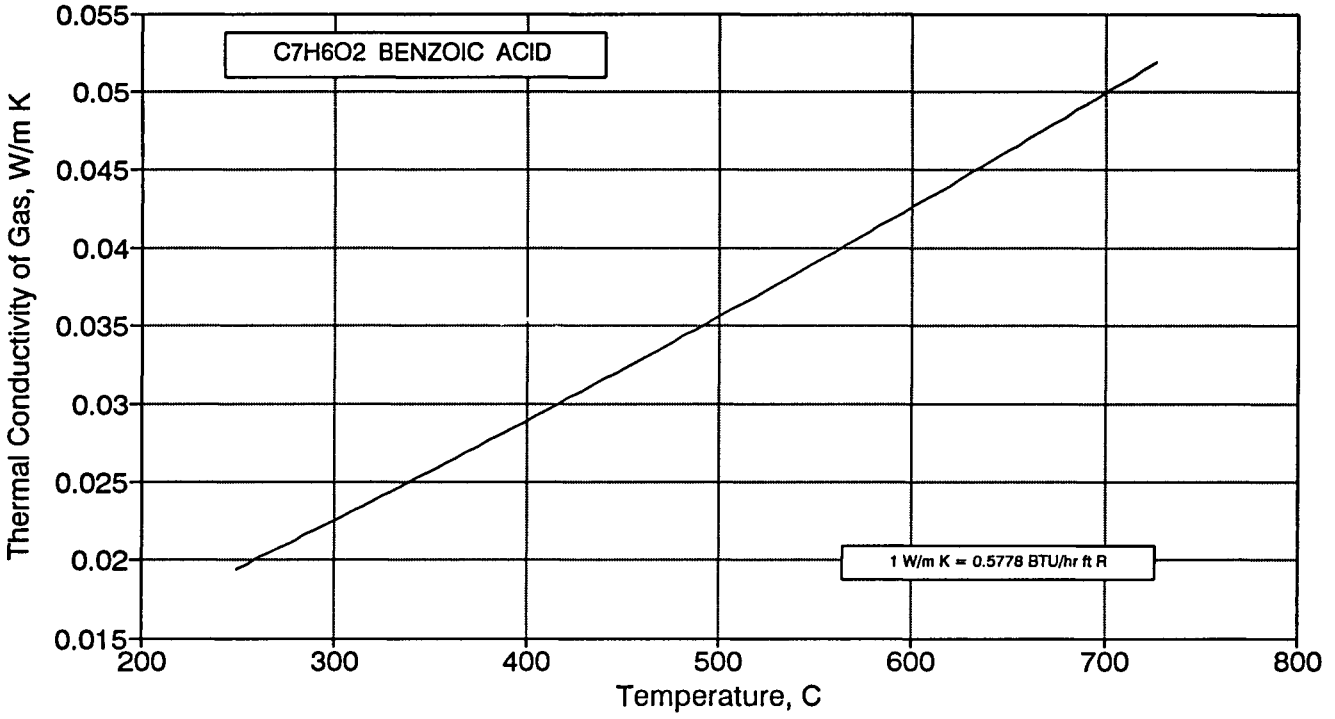
TB , K = 588.00

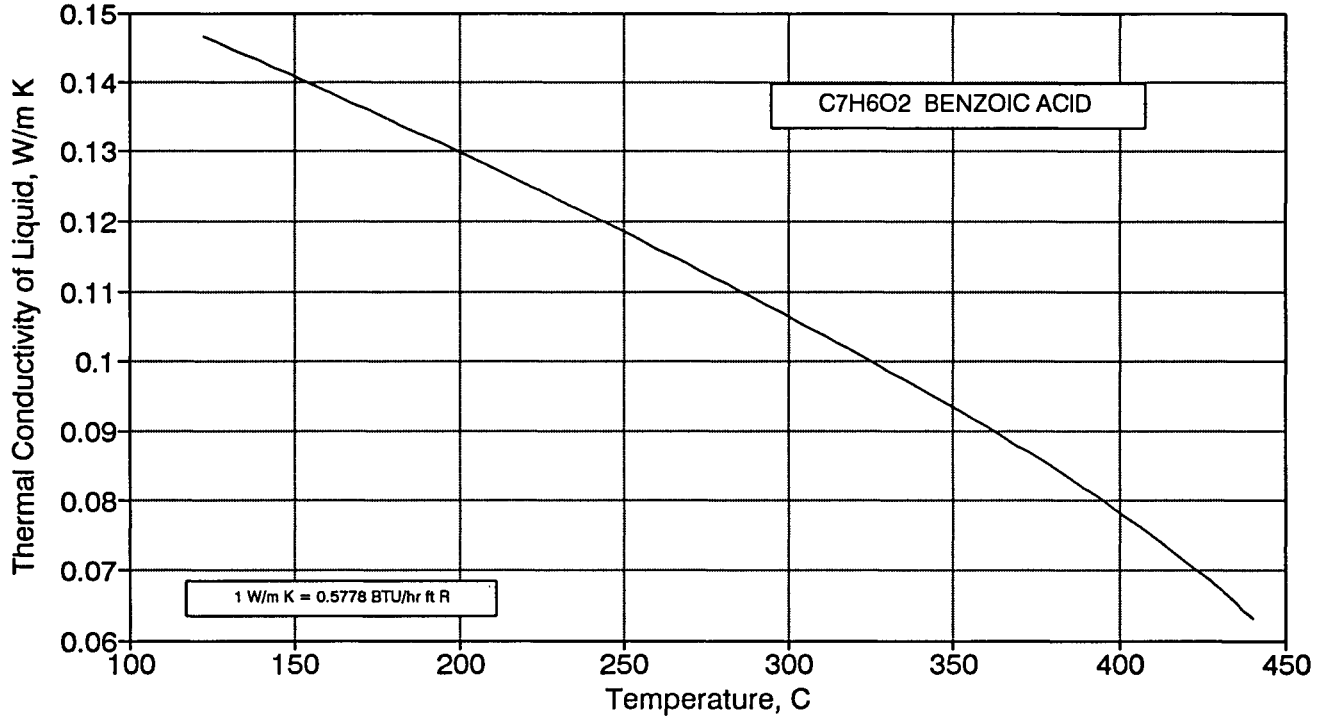
C7H6N2O4 3,5-DINITROTOLUENE

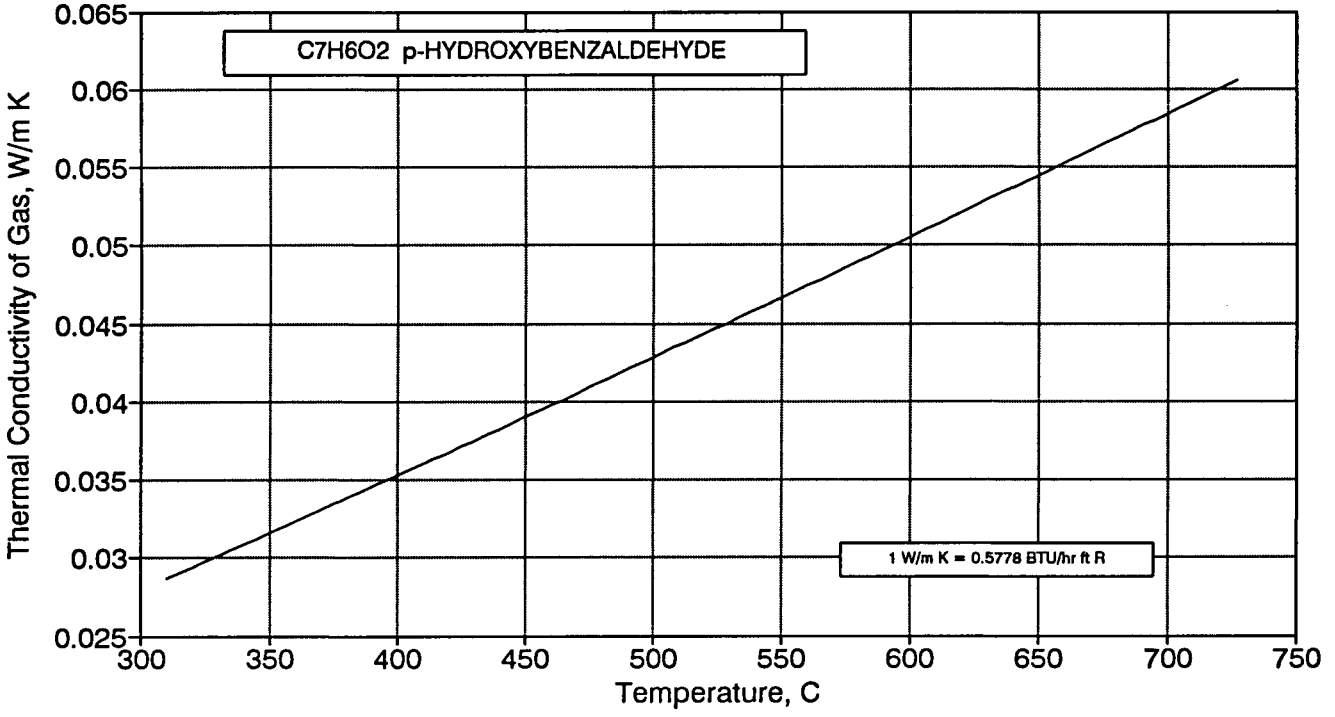
Liquid thermal conductivity data are not available .

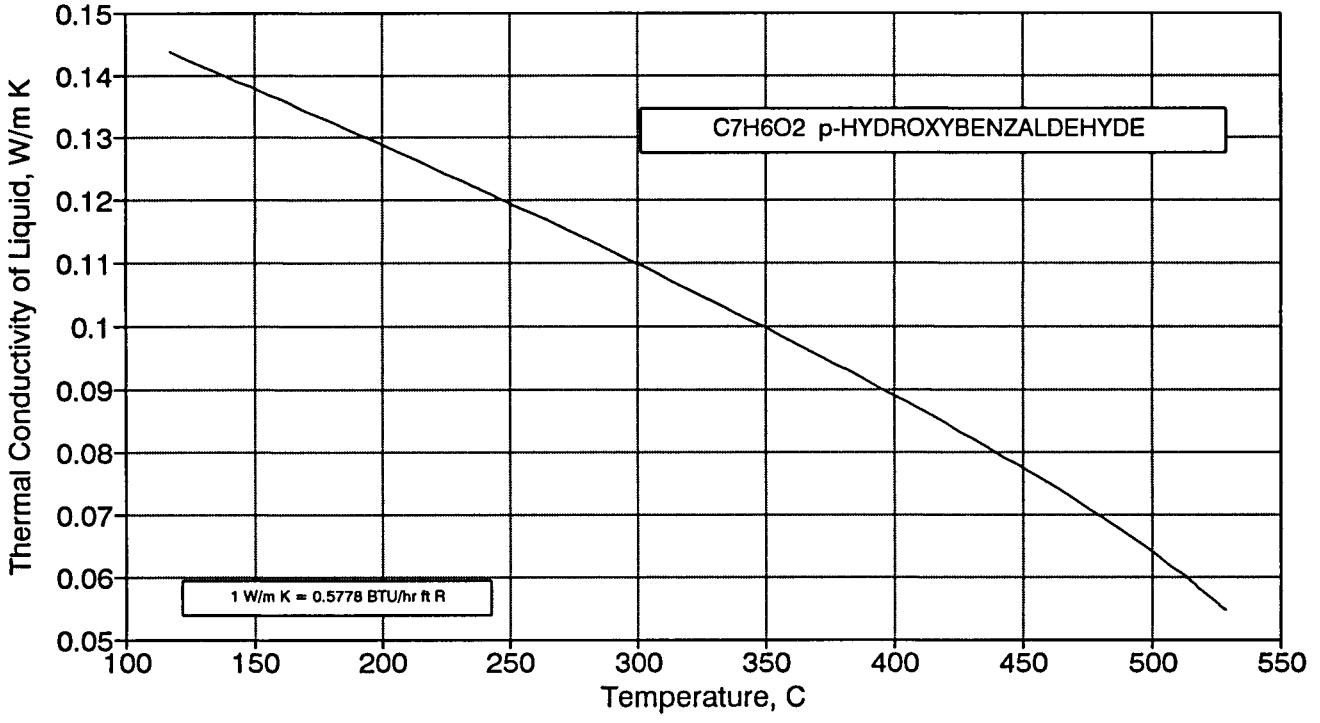

C7H6O BENZALDEHYDE
Thermal Conductivity of Gas, W/m K
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

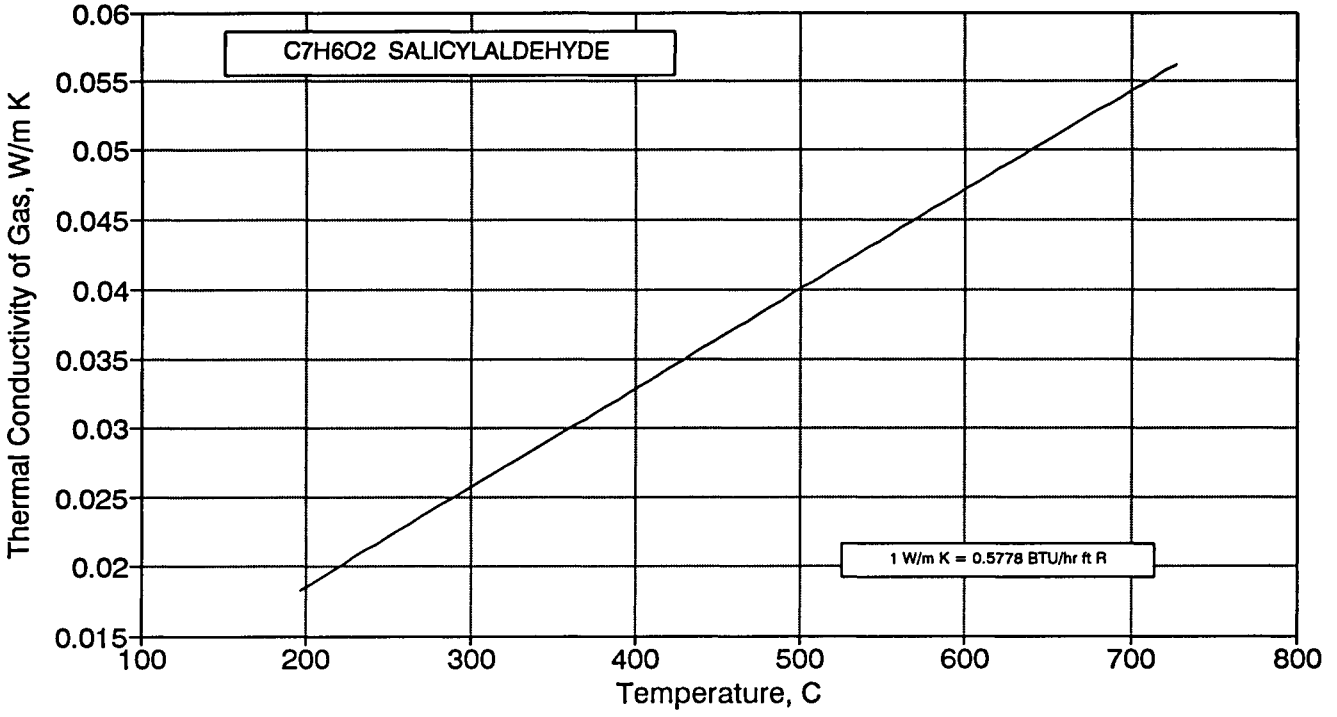

C7H6O BENZALDEHYDE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
-50
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

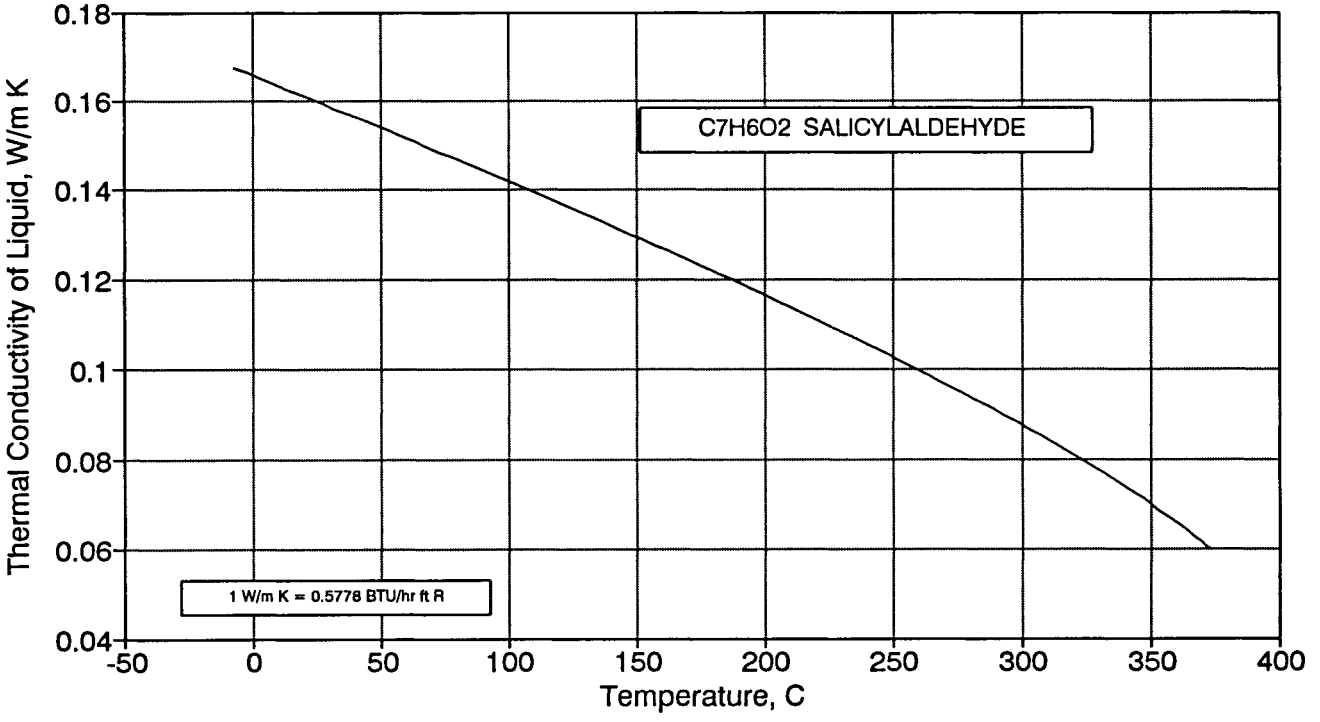

C7H6O2 BENZOIC ACID
Thermal Conductivity of Gas, W/m K
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C7H6O2 BENZOIC ACID
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
100
150
200
250
300
350
400
450
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C7H6O2 p-HYDROXYBENZALDEHYDE
Thermal Conductivity of Gas, W/m K
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
300
350
400
450
500
550
600
650
700
750
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C7H6O2 p-HYDROXYBENZALDEHYDE
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
100
150
200
250
300
350
400
450
500
550
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C7H6O2 SALICYLALDEHYDE
Thermal Conductivity of Gas, W/m K
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C7H6O2 SALICYLALDEHYDE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-50
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

C7H6O3 SALICYLIC ACID

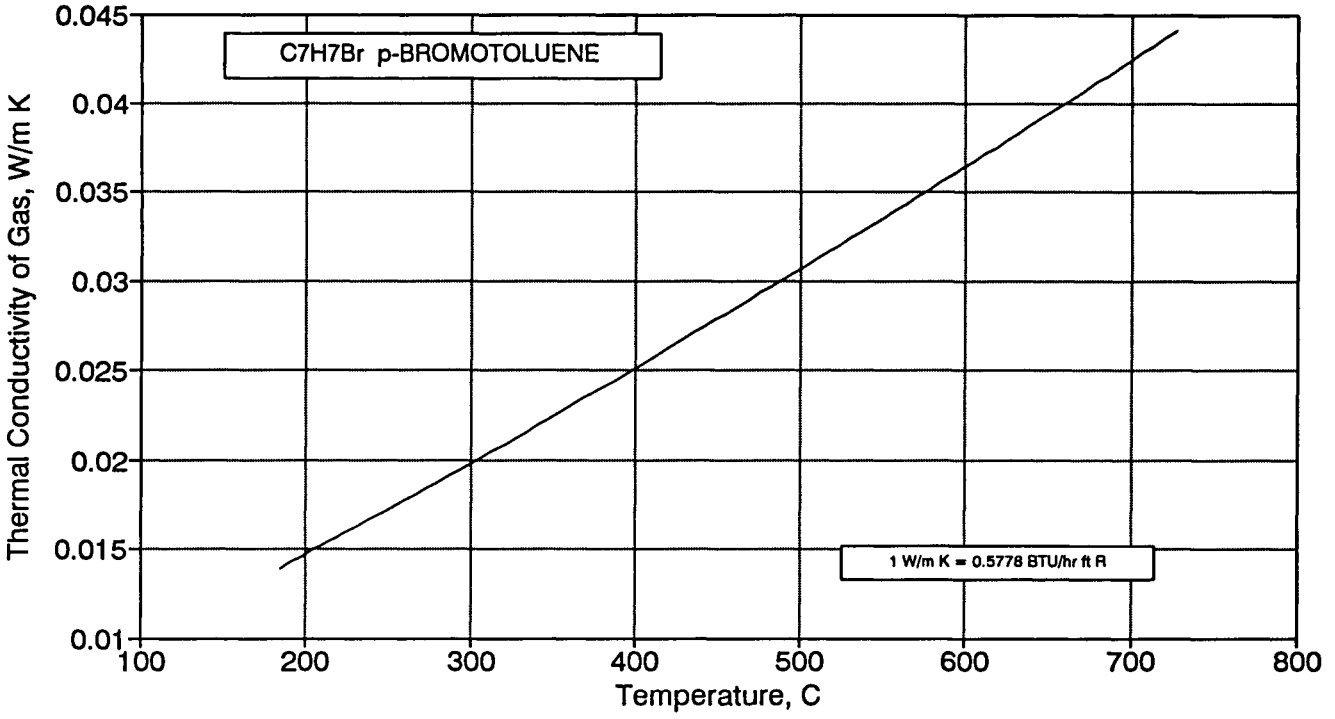
Gas thermal conductivity data are not available .

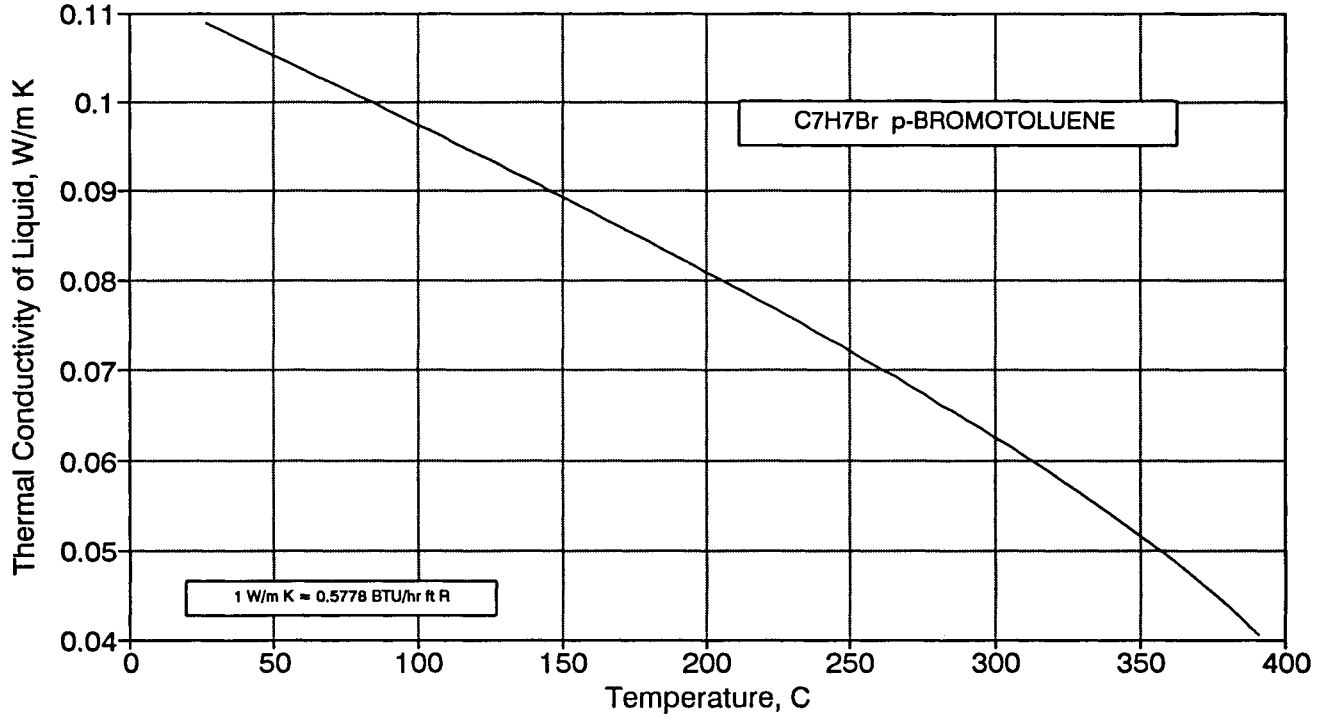
TF , K = 431.75

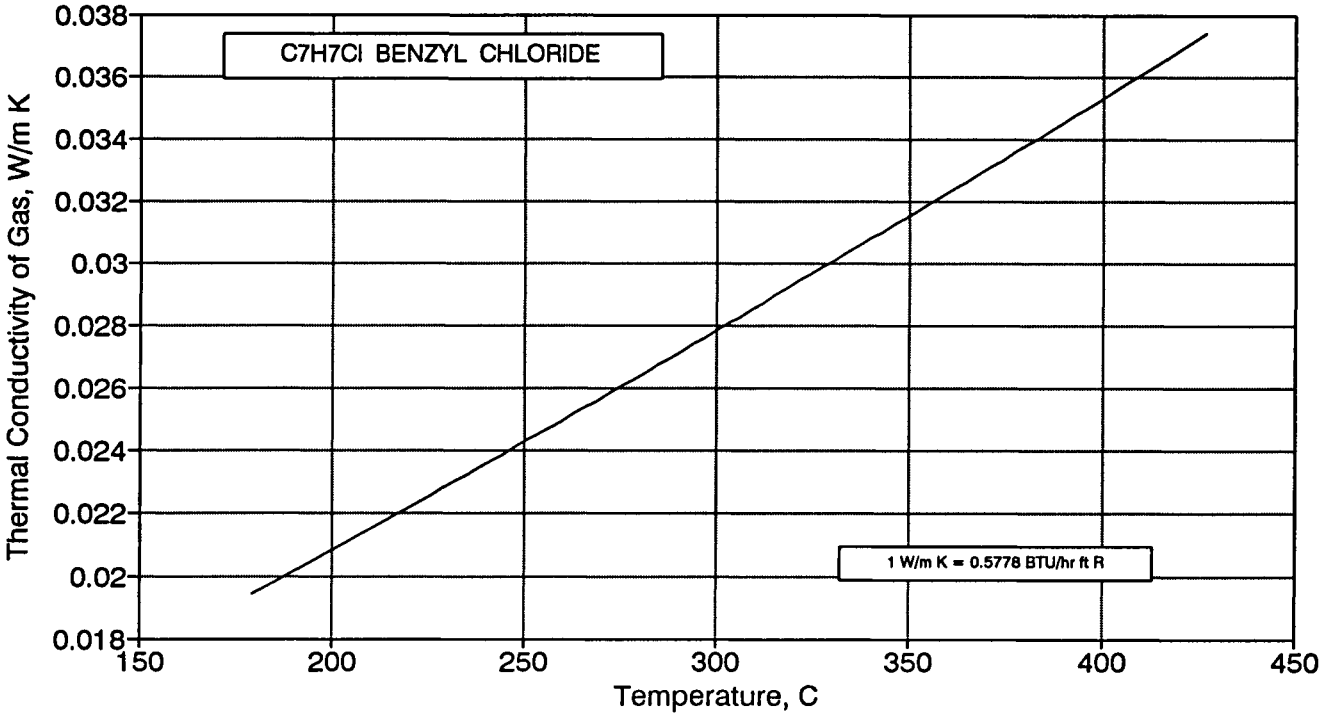
TB , K = 529.00

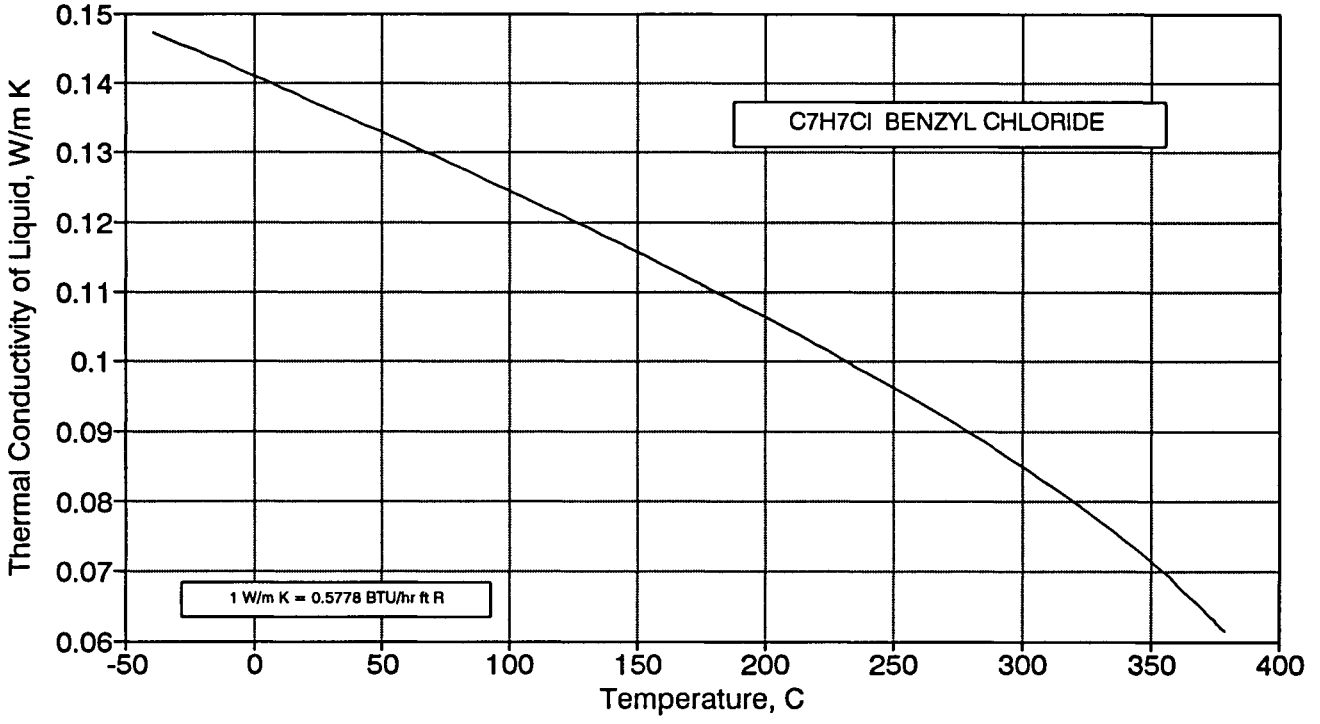
C7H6O3 SALICYLIC ACID

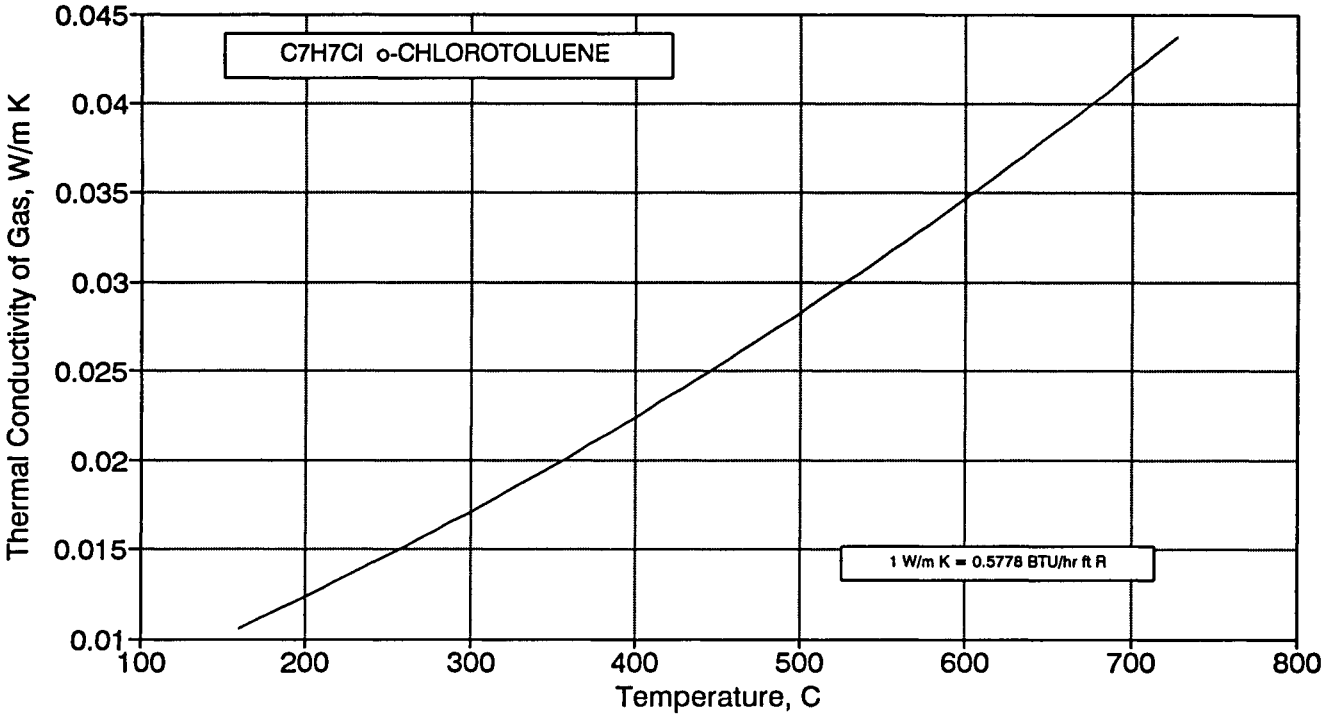
Liquid thermal conductivity data are not available .

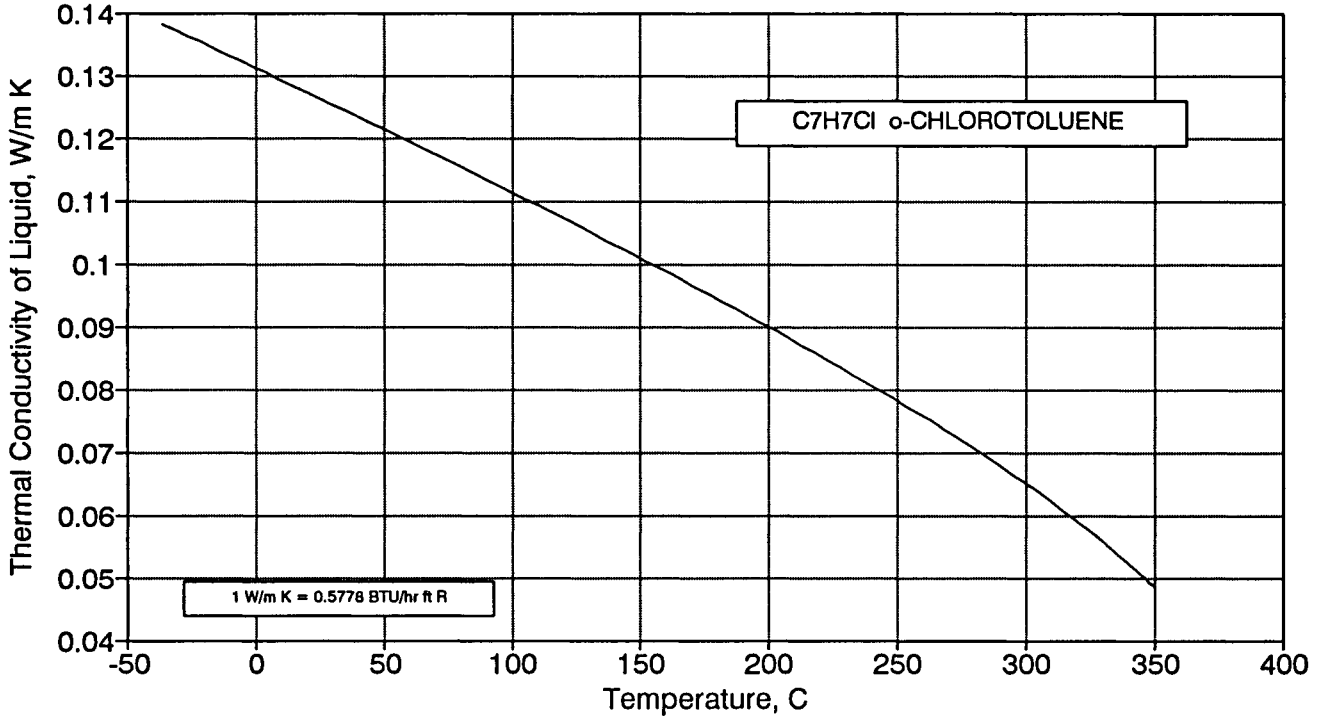

C7H7Br p-BROMOTOLUENE
Thermal Conductivity of Gas, W/m K
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

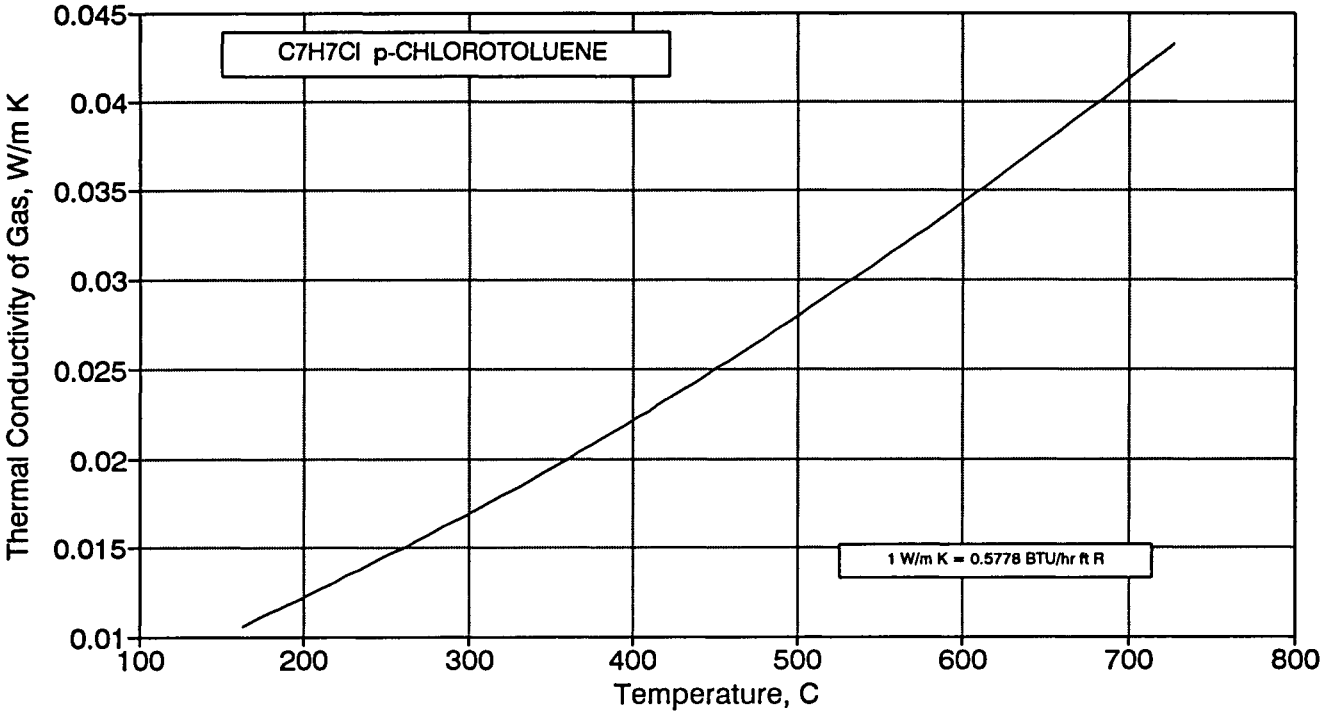

C7H7Br p-BROMOTOLUENE
Thermal Conductivity of Liquid, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

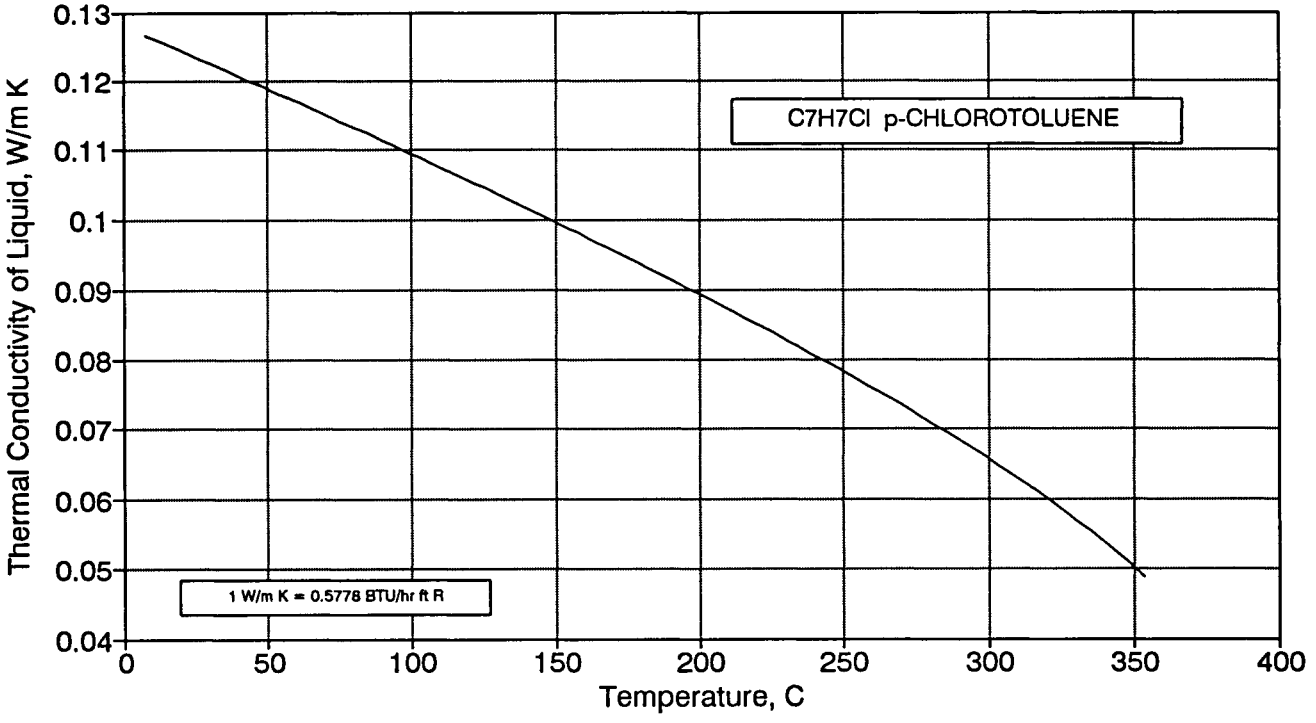

C7H7Cl BENZYL CHLORIDE
Thermal Conductivity of Gas, W/m K
0.038
0.036
0.034
0.032
0.03
0.028
0.026
0.024
0.022
0.02
0.018
150
200
250
300
350
400
450
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

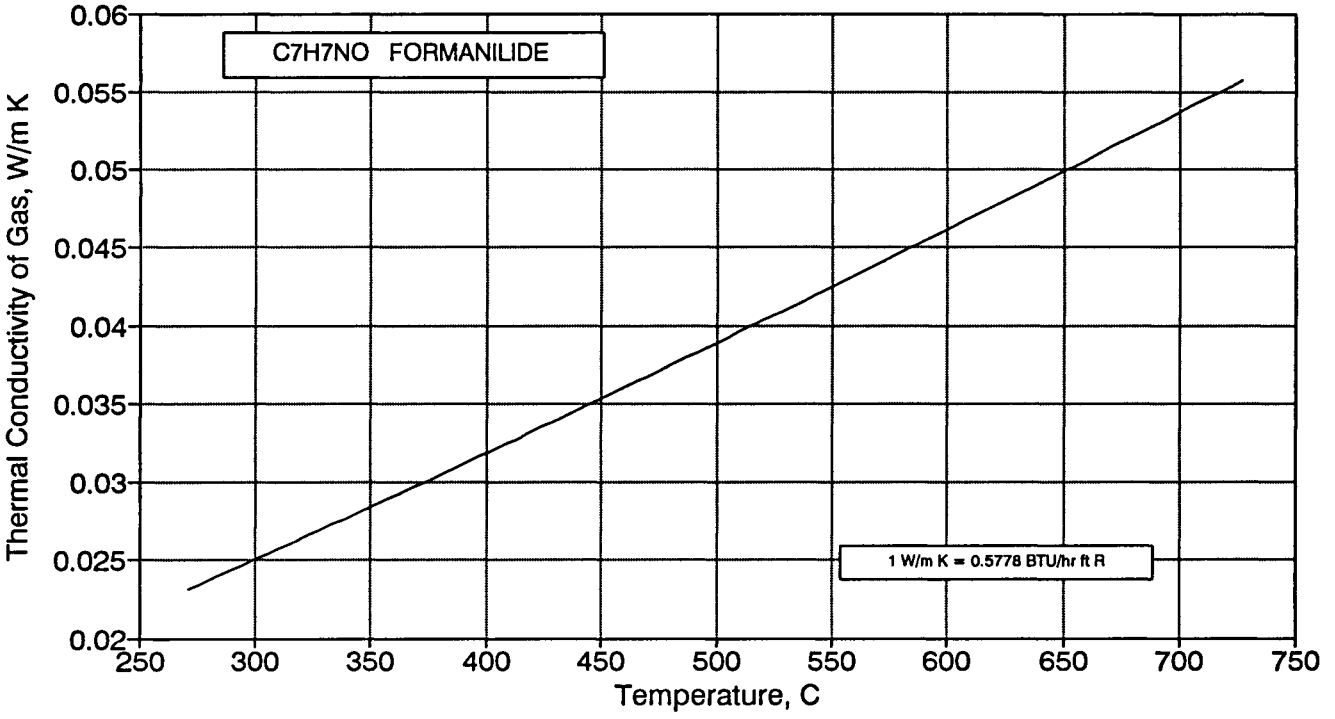

C7H7Cl BENZYL CHLORIDE
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
-50
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

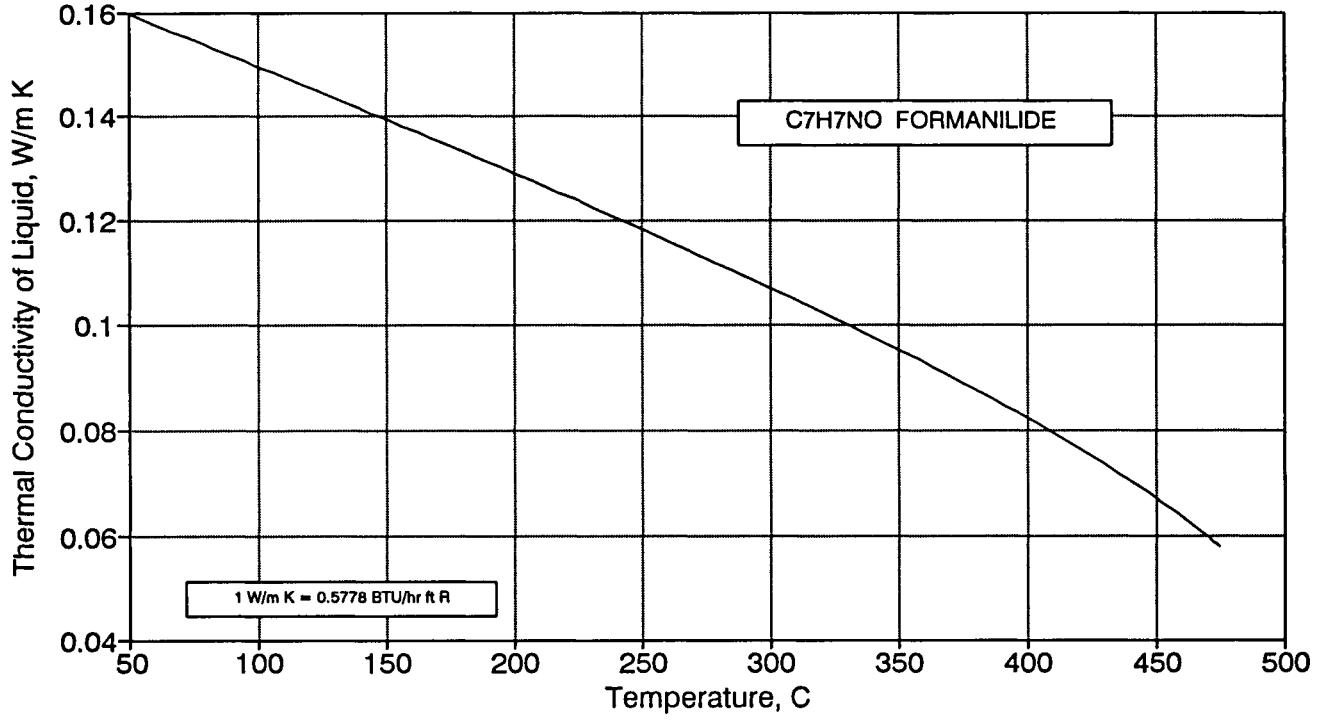

C7H7Cl o-CHLOROTOLUENE
Thermal Conductivity of Gas, W/m K
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C7H7Cl o-CHLOROTOLUENE
Thermal Conductivity of Liquid, W/m K
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-50
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C7H7Cl p-CHLOROTOLUENE
Thermal Conductivity of Gas, W/m K
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C7H7Cl p-CHLOROTOLUENE
Thermal Conductivity of Liquid, W/m K
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C7H7NO FORMANILIDE
Thermal Conductivity of Gas, W/m K
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
250
300
350
400
450
500
550
600
650
700
750
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

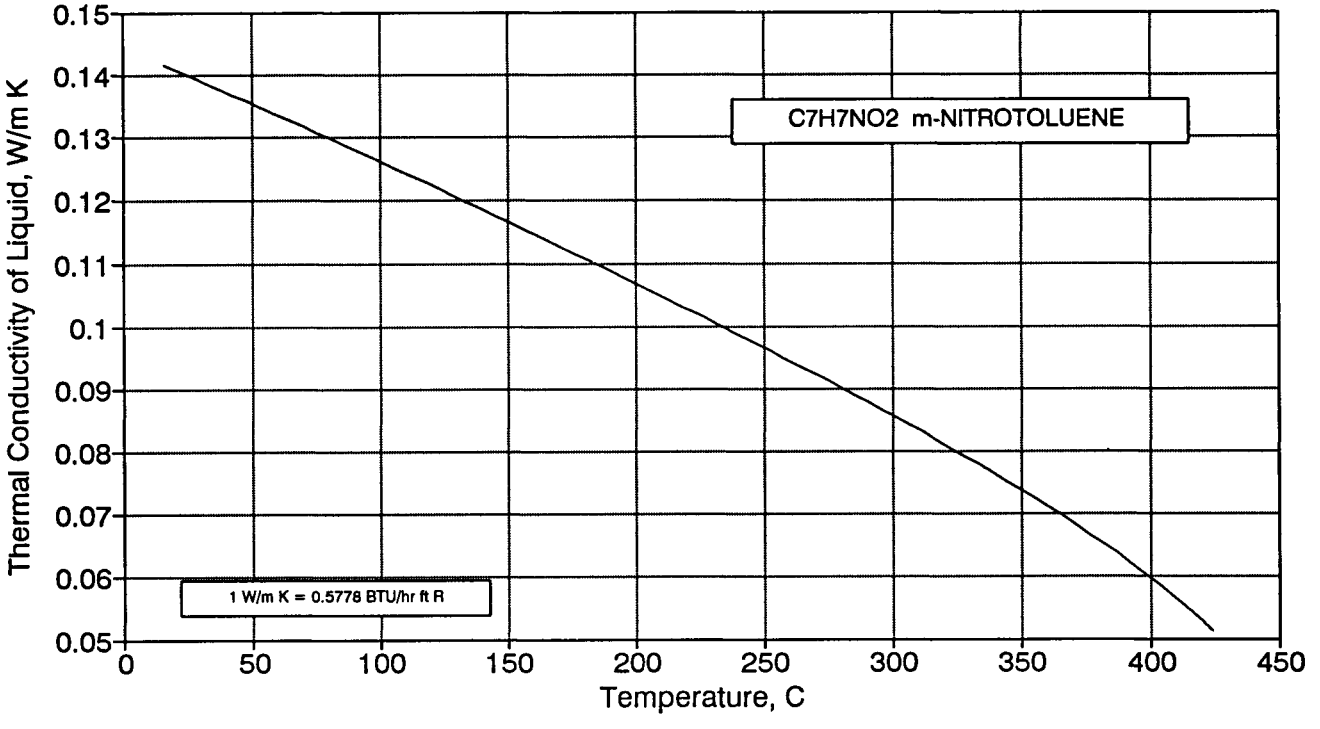

C7H7NO FORMANILIDE
Thermal Conductivity of Liquid, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
50
100
150
200
250
300
350
400
450
500
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

C7H7NO2 m-NITROTOLUENE

Gas thermal conductivity data are not available .

TF , K = 289.20

TB , K = 505.00

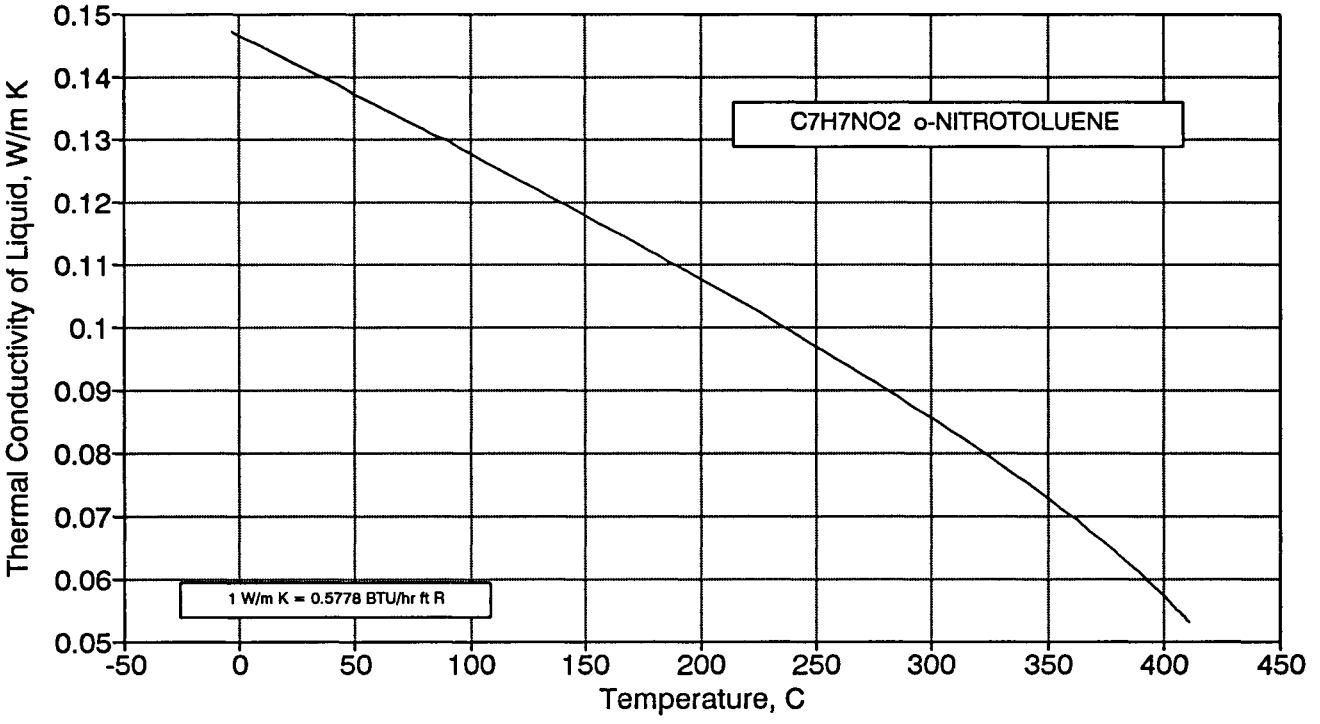


C7H7NO2 o-NITROTOLUENE

Gas thermal conductivity data are not available .

TF , K = 269.98

TB , K = 495.64

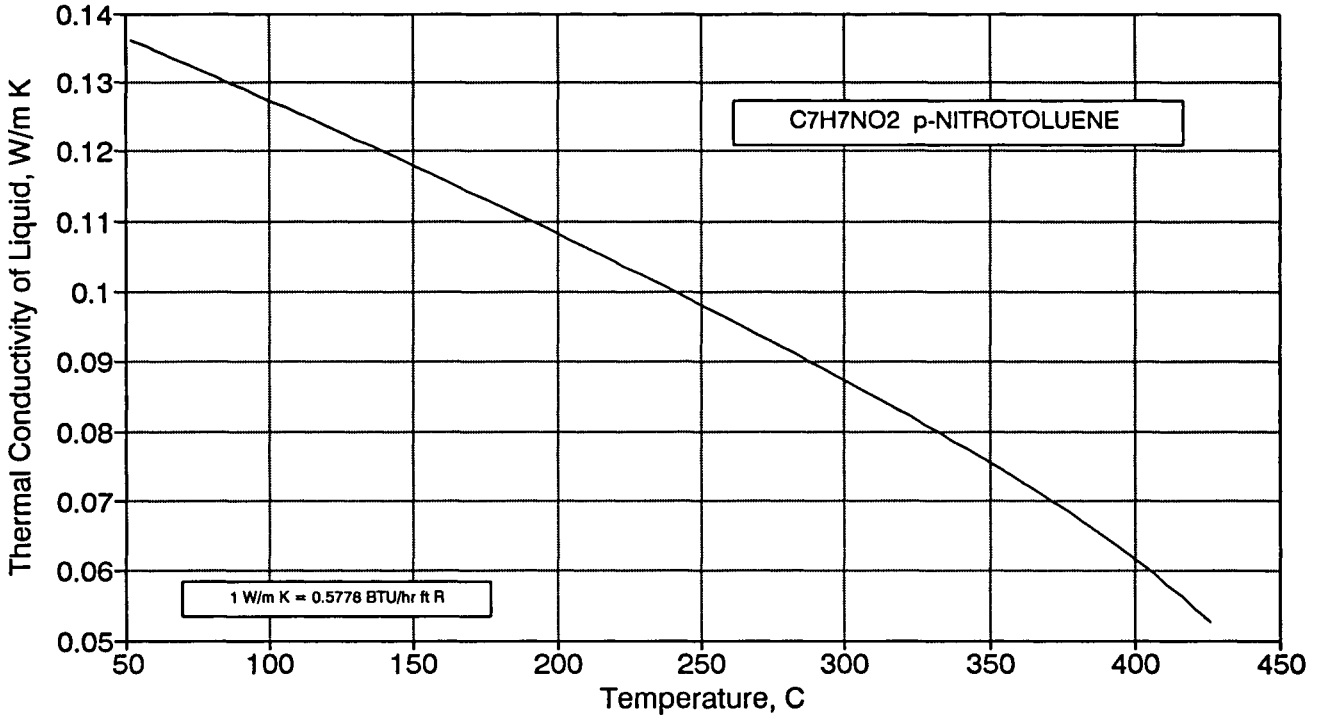


C7H7NO2 p-NITROTOLUENE

Gas thermal conductivity data are not available .

TF , K = 324.75

TB , K = 511.65

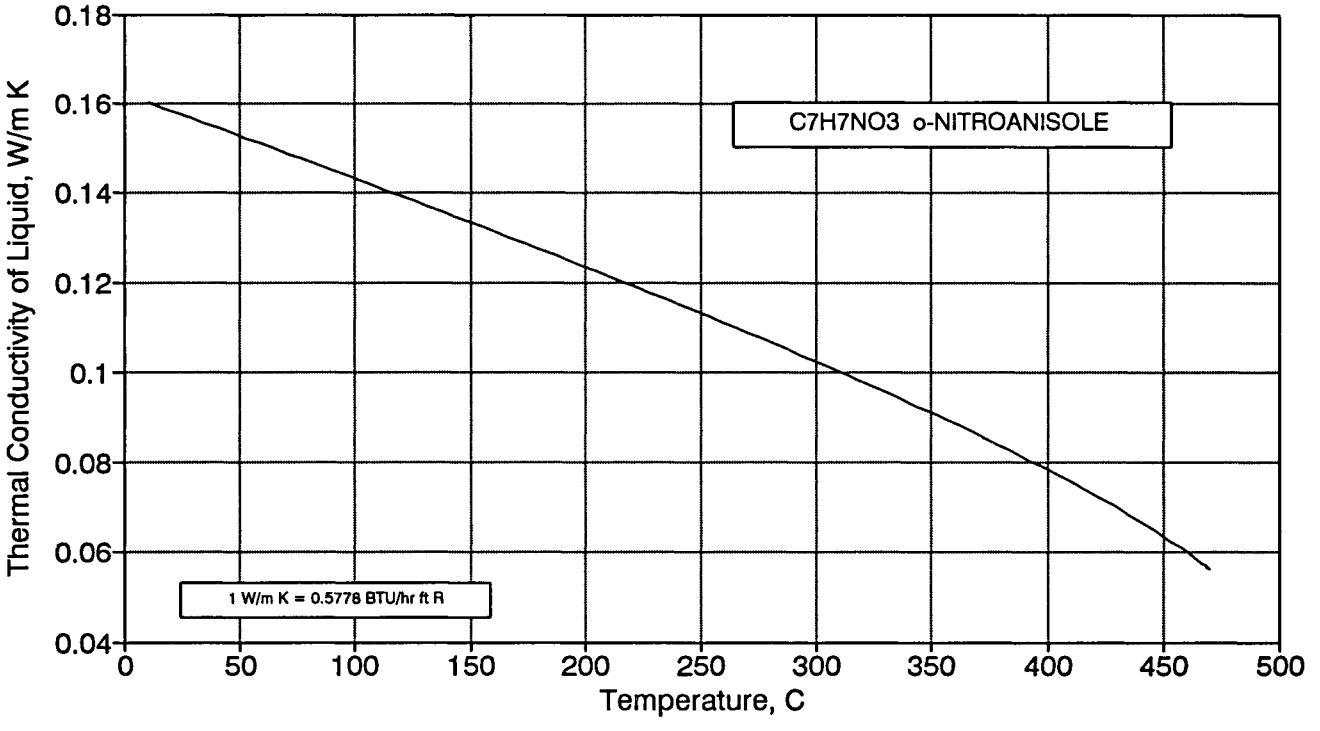


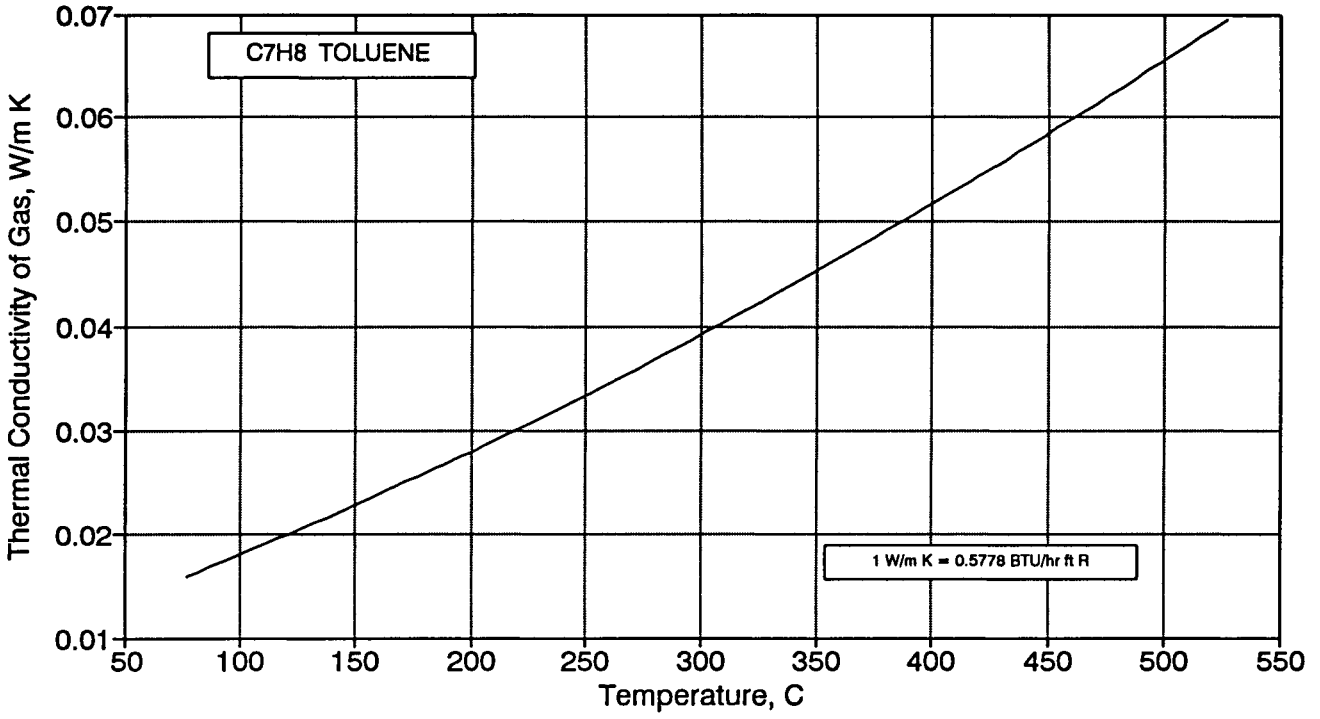
C7H7NO3 o-NITROANISOLE

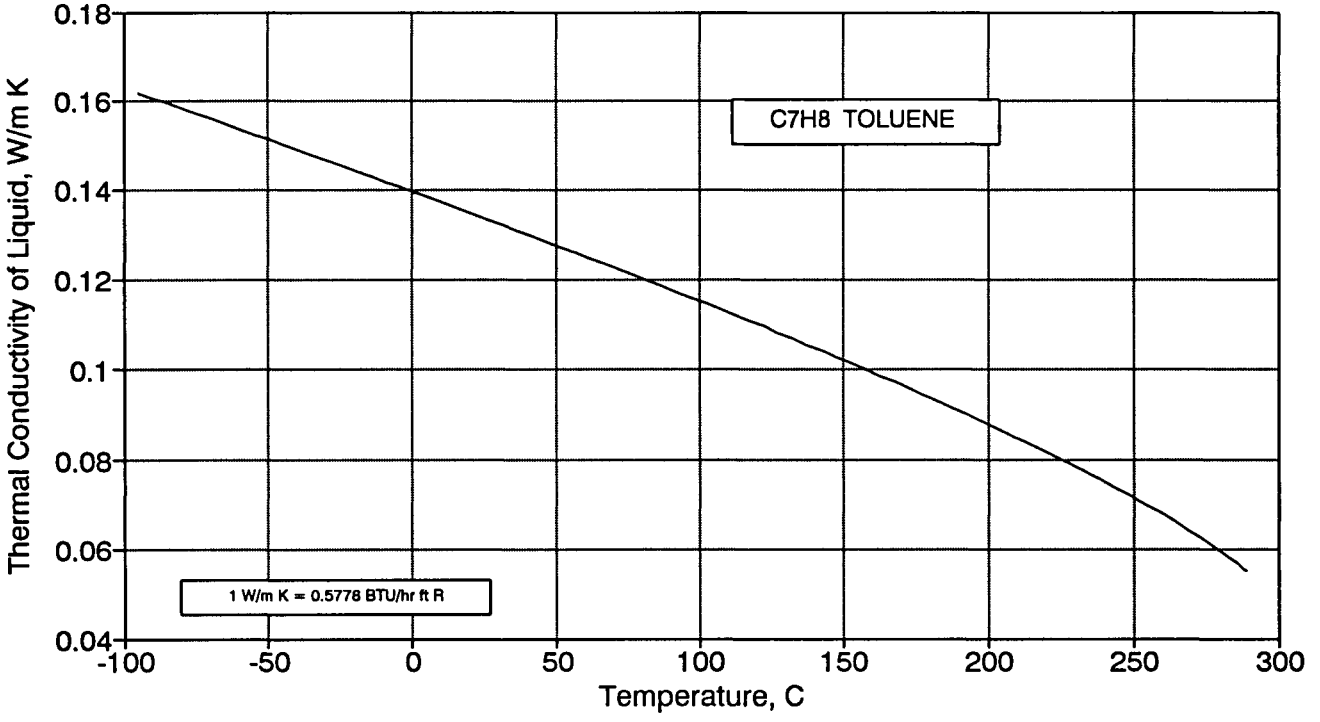
Gas thermal conductivity data are not available .

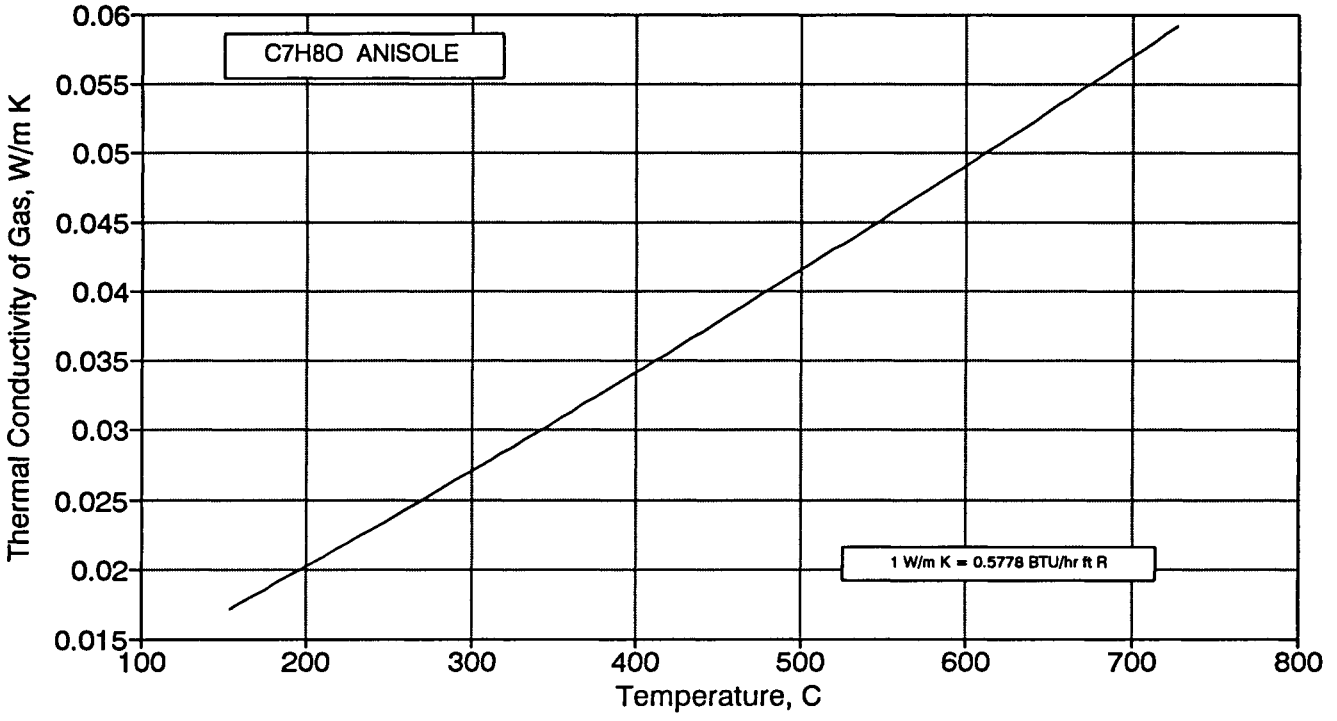
TF , K = 283.60

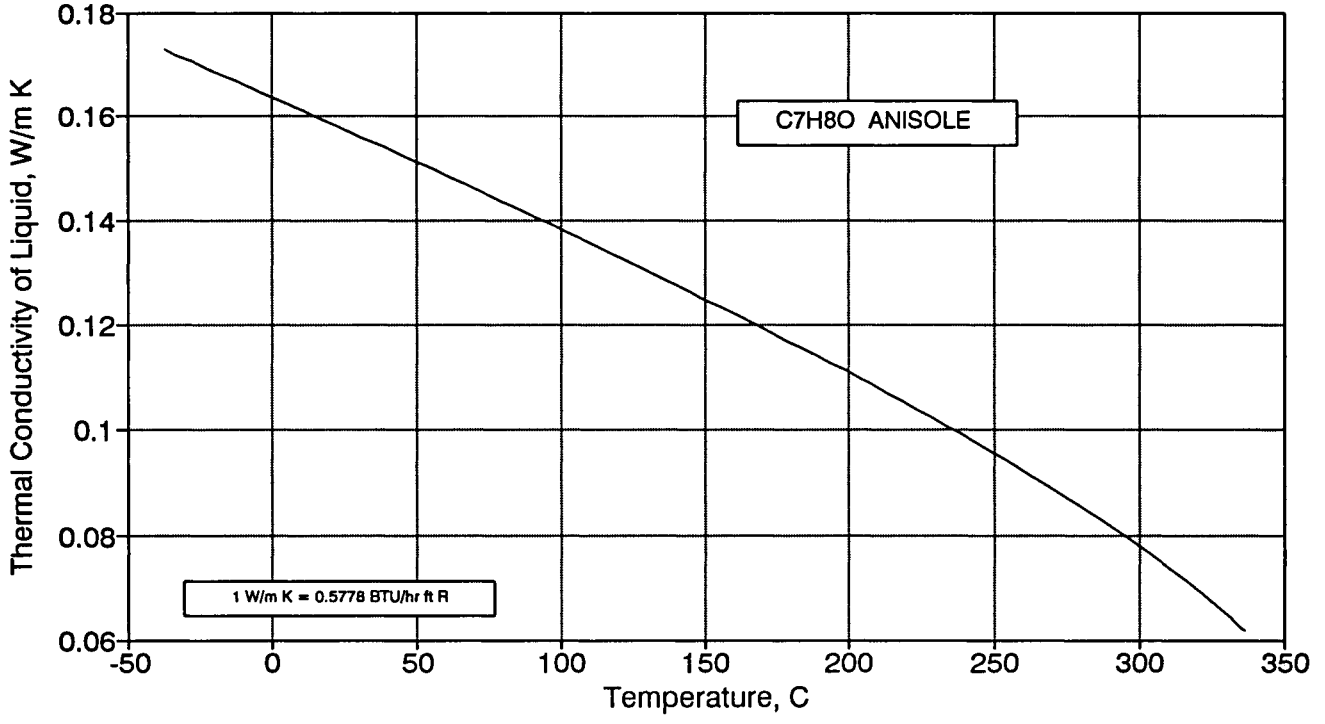
TB , K = 546.15

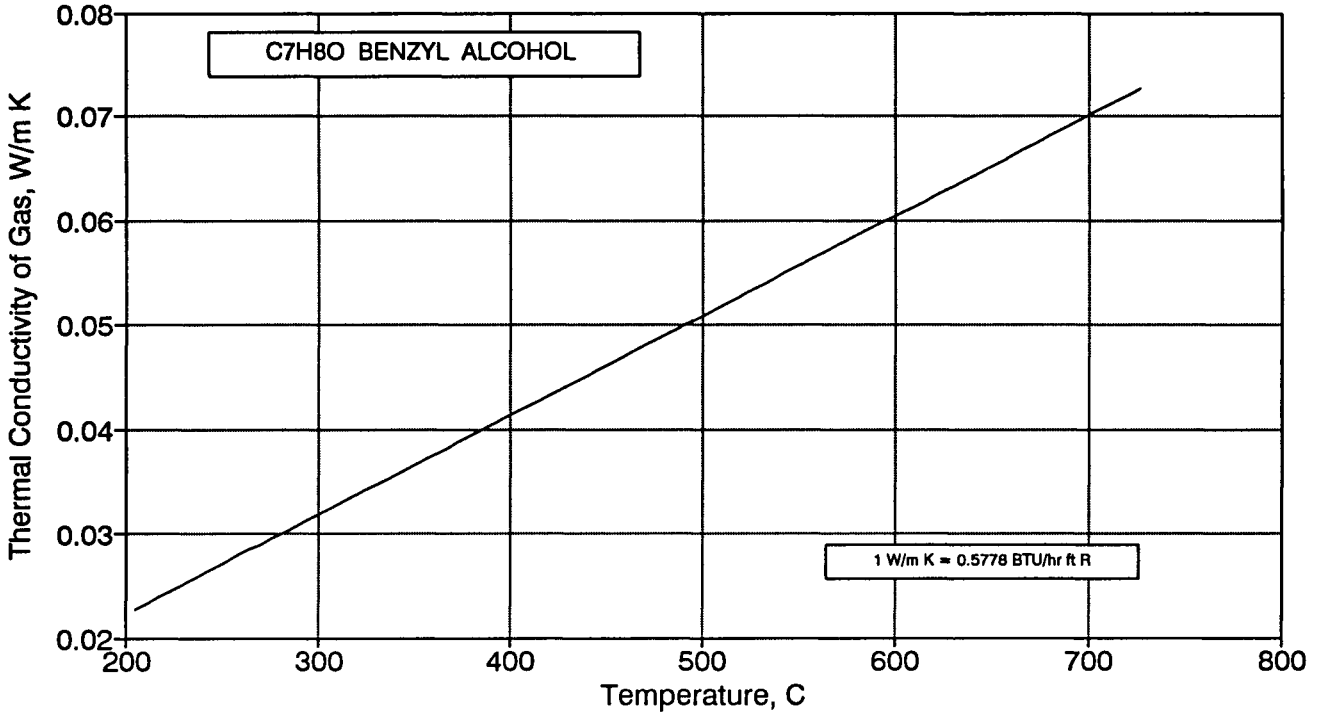


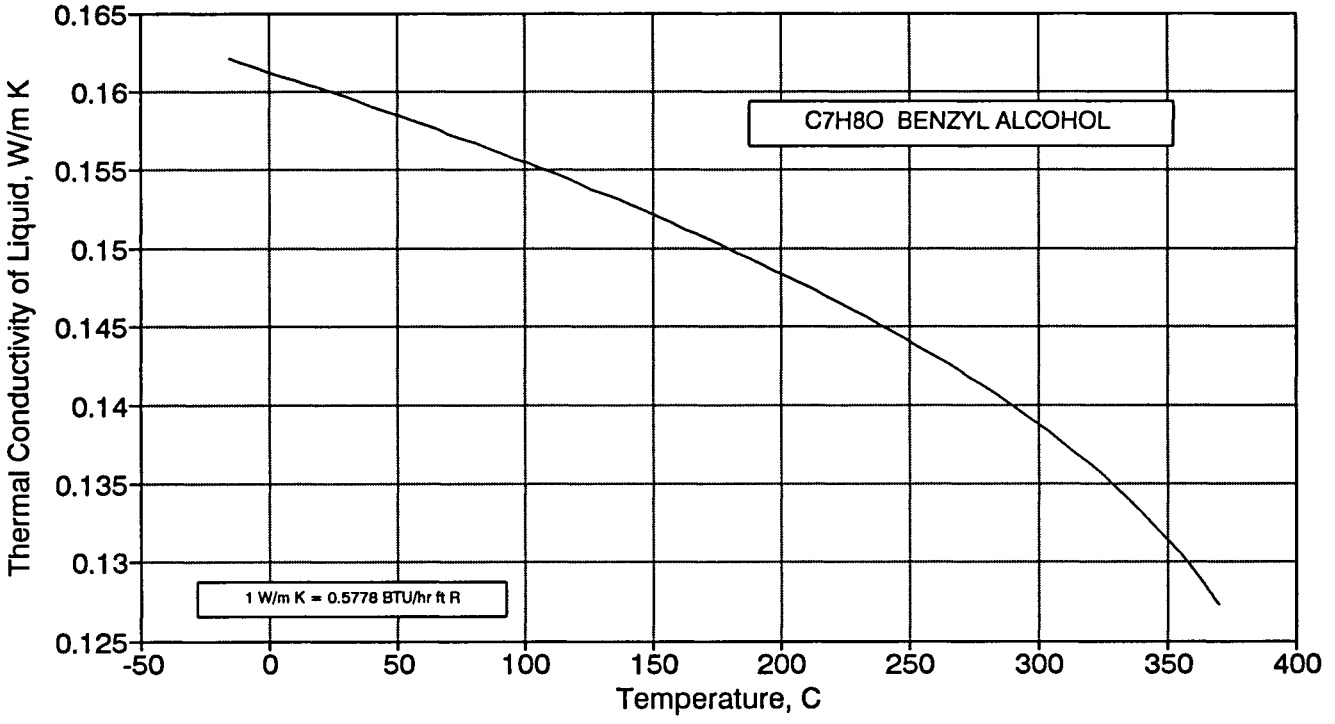

C7H8 TOLUENE
Thermal Conductivity of Gas, W/m K
0.07
0.06
0.05
0.04
0.03
0.02
0.01
50
100
150
200
250
300
350
400
450
500
550
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

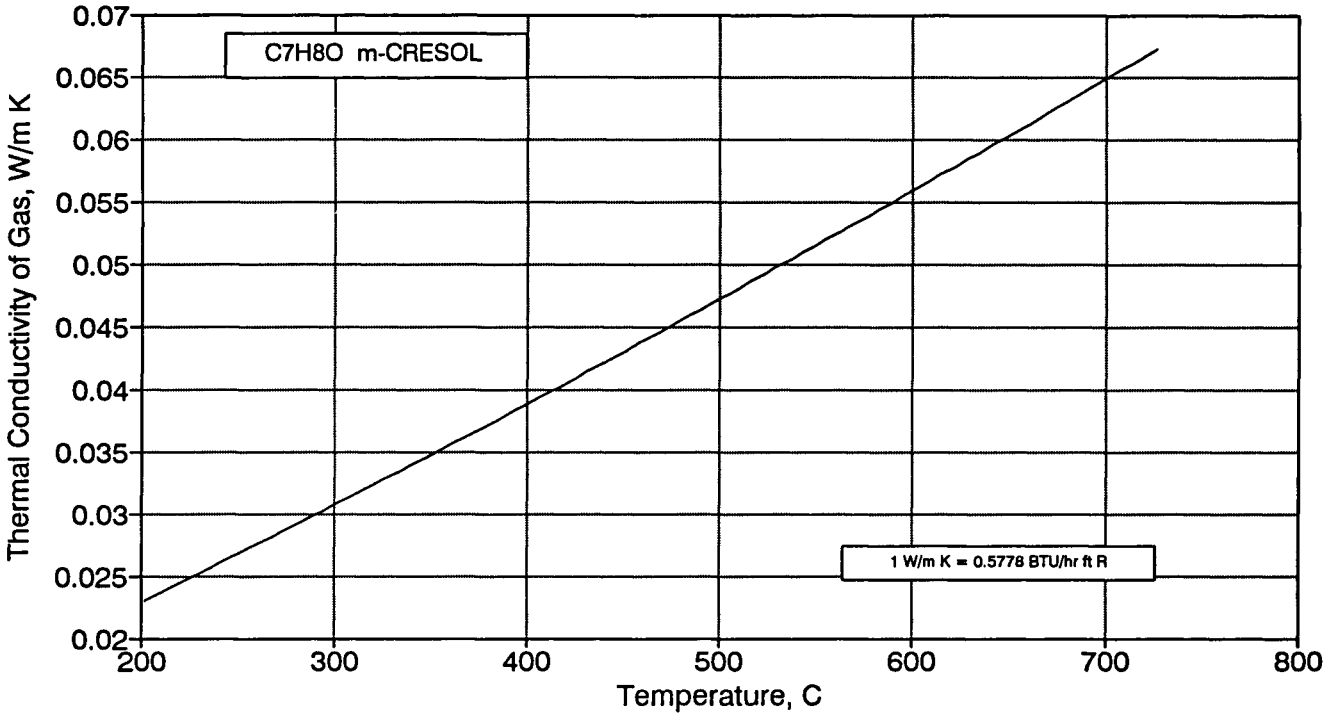

C7H8 TOLUENE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

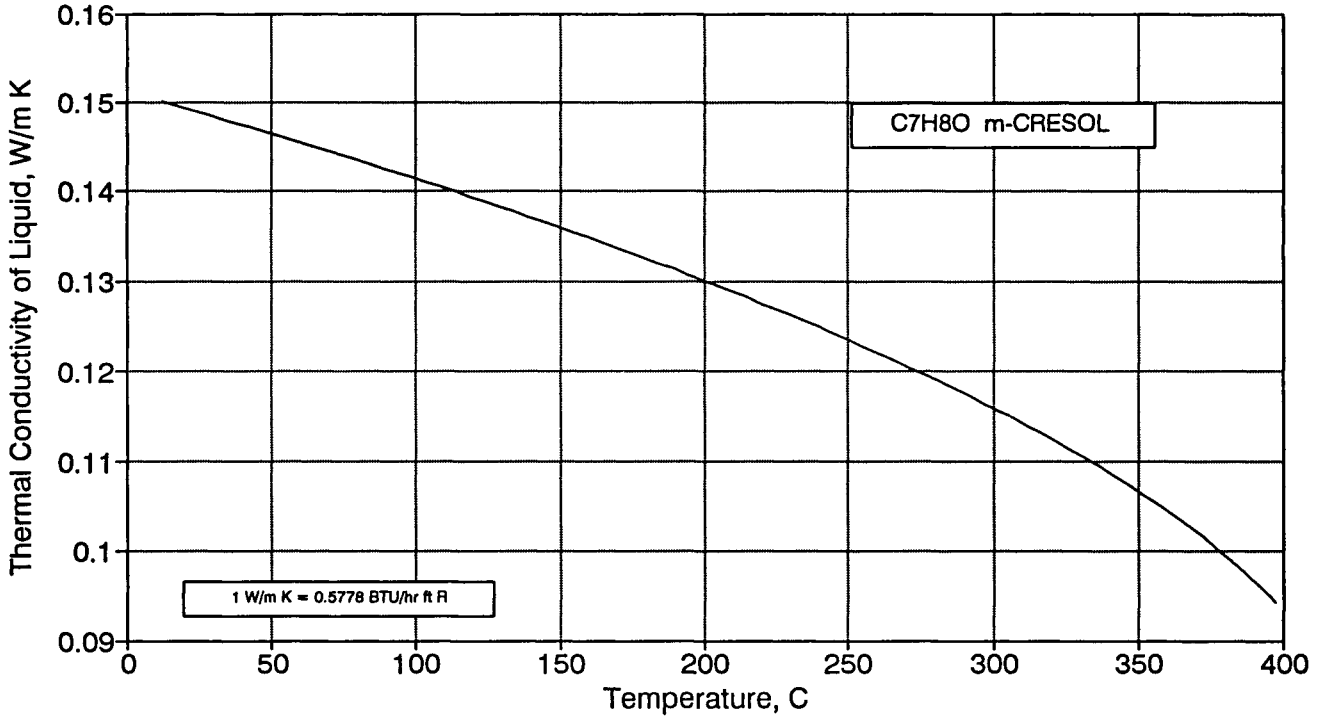

C7H8O ANISOLE
Thermal Conductivity of Gas, W/m K
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

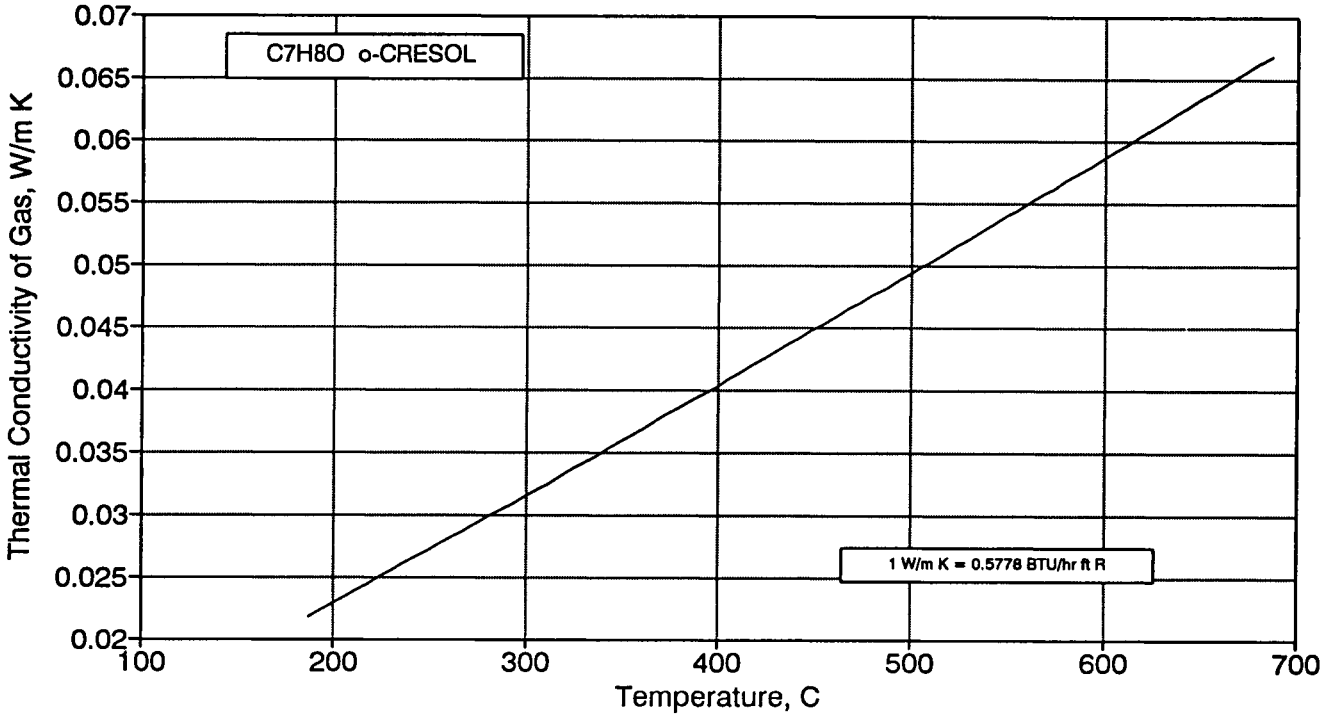

C7H8O ANISOLE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

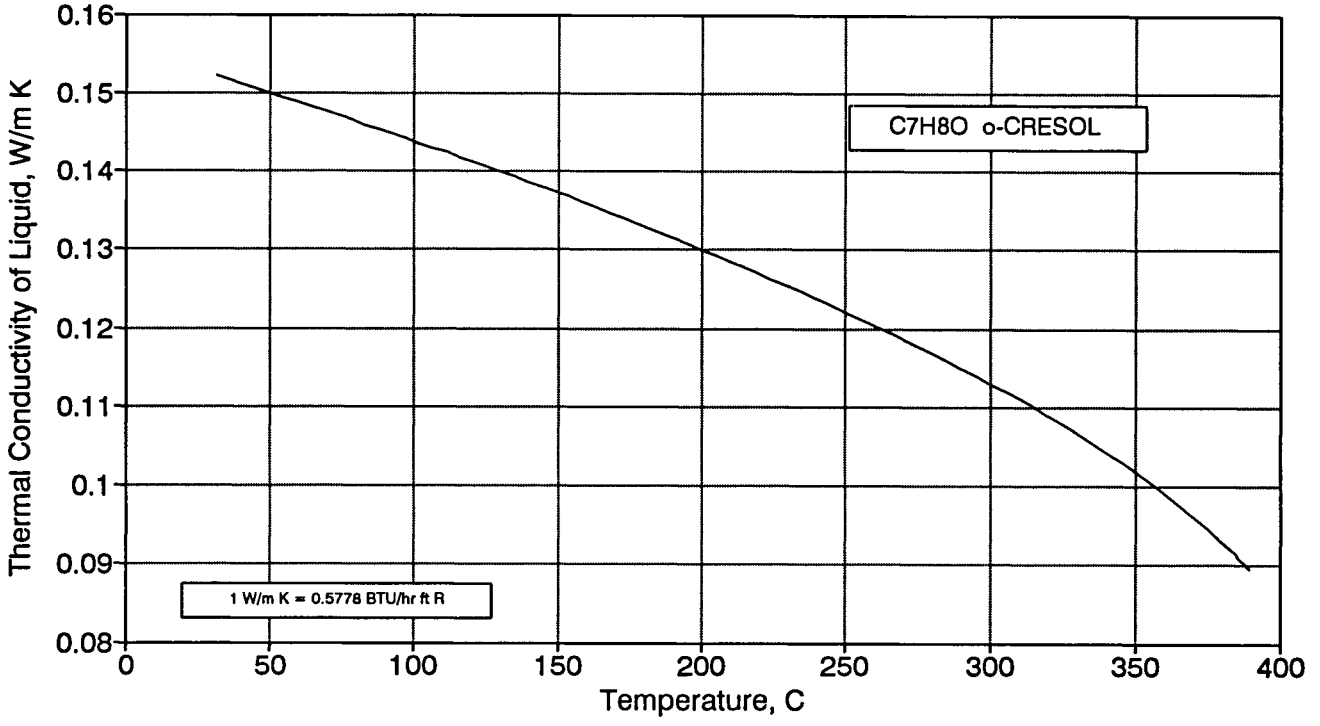

C7H8O BENZYL ALCOHOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
200
300
400
500
600
700
800
Temperature, C

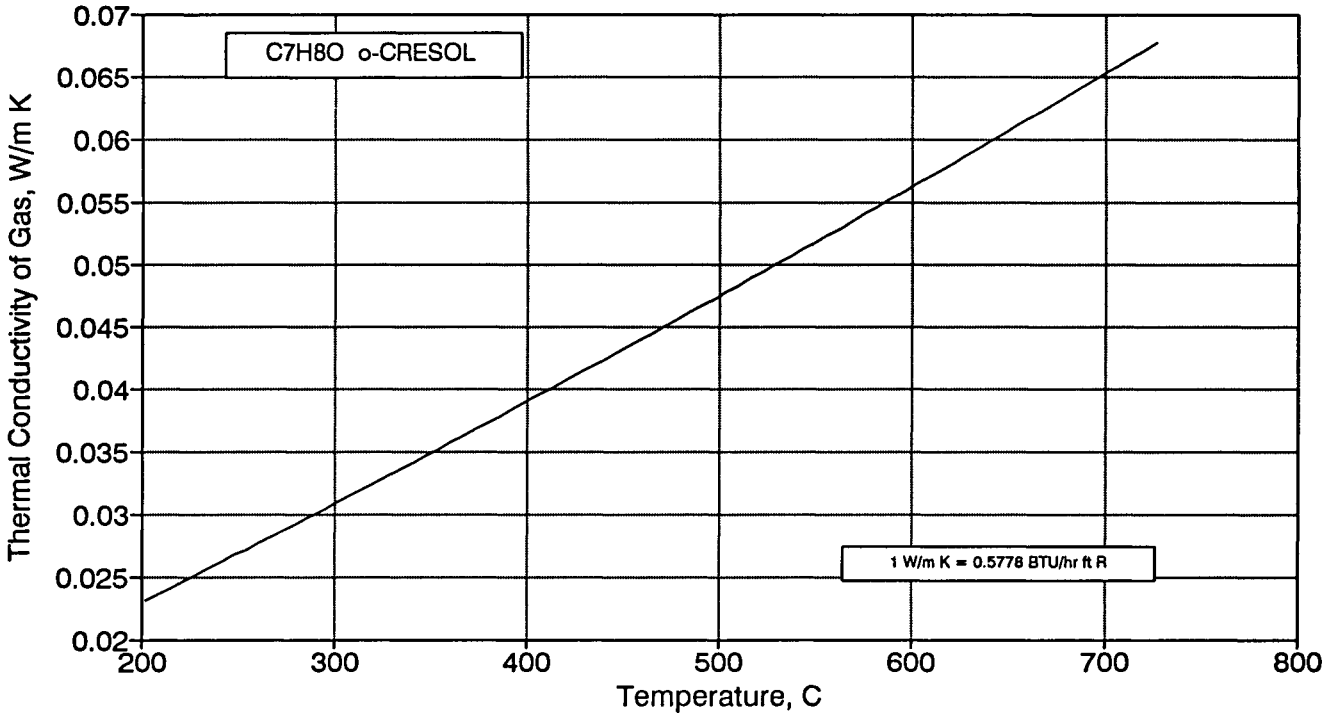

C7H8O BENZYL ALCOHOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.165
0.16
0.155
0.15
0.145
0.14
0.135
0.13
0.125
-50
0
50
100
150
200
250
300
350
400
Temperature, C

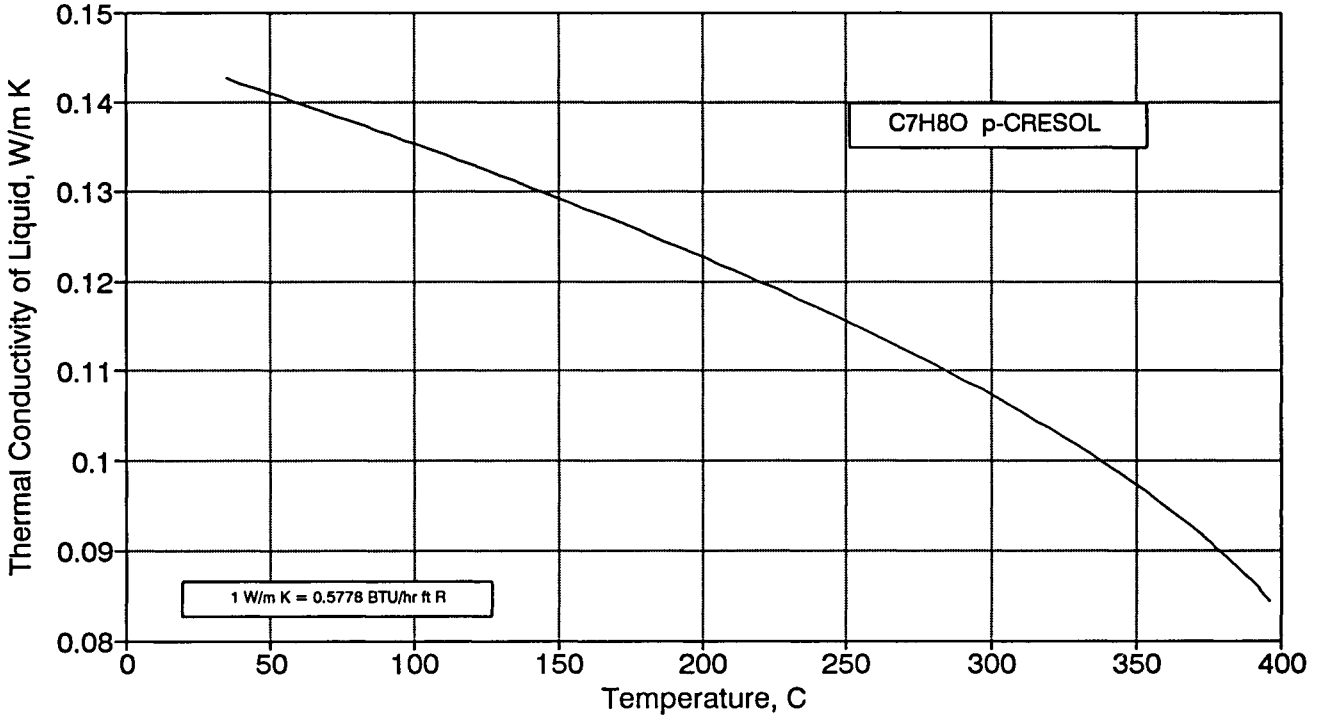

C7H8O m-CRESOL
Thermal Conductivity of Gas, W/m K
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

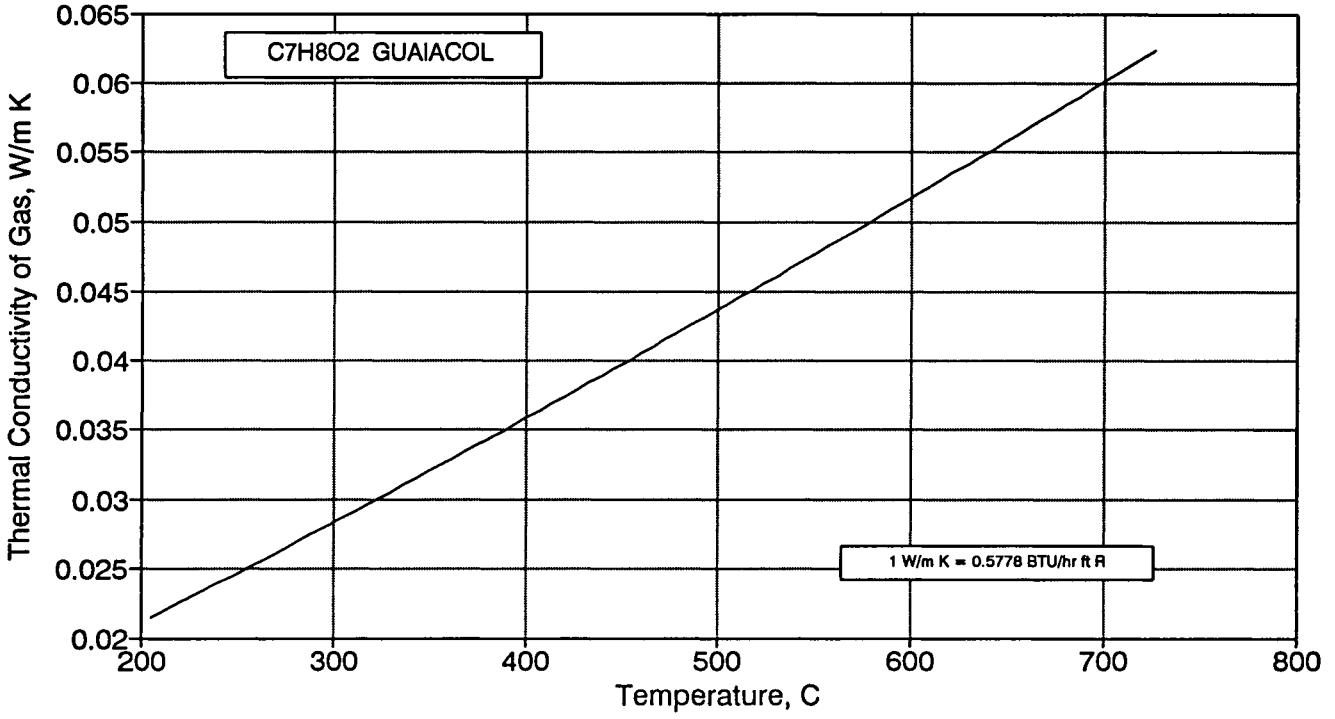

C7H8O m-CRESOL
Thermal Conductivity of Liquid, W/m K
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

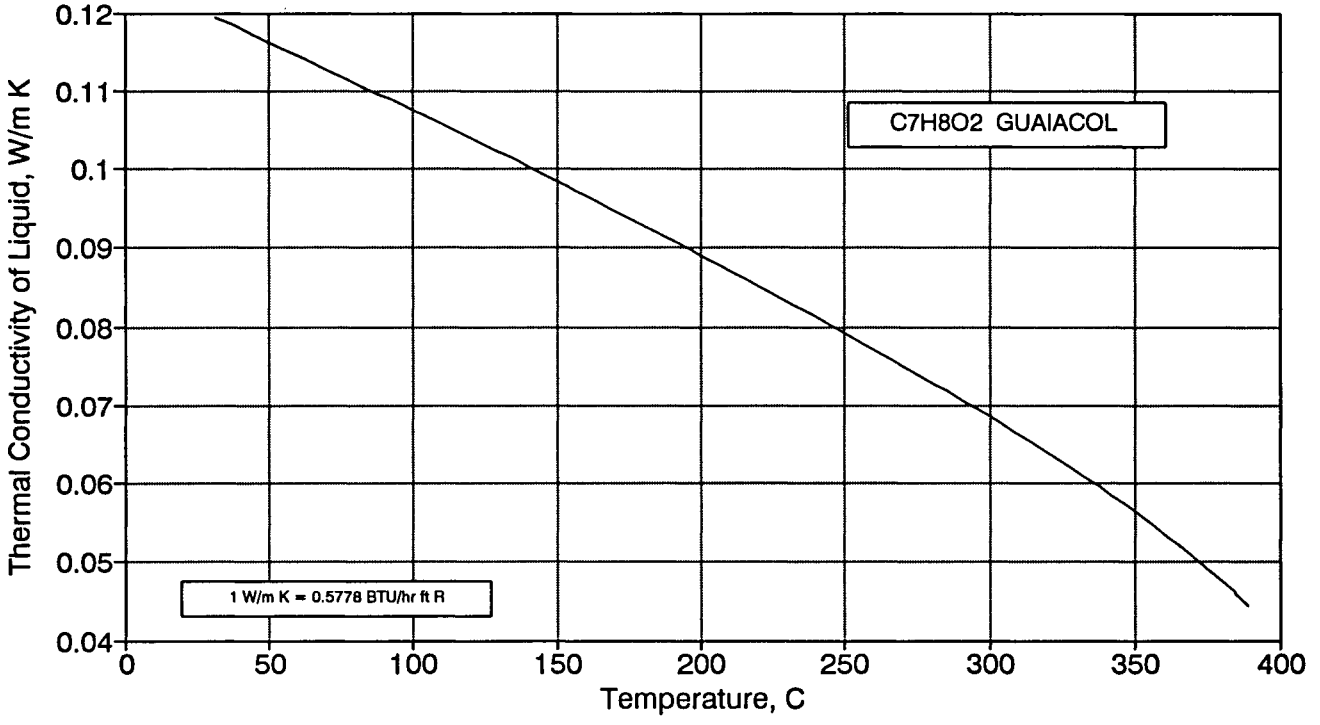

C7H8O o-CRESOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
100
200
300
400
500
600
700

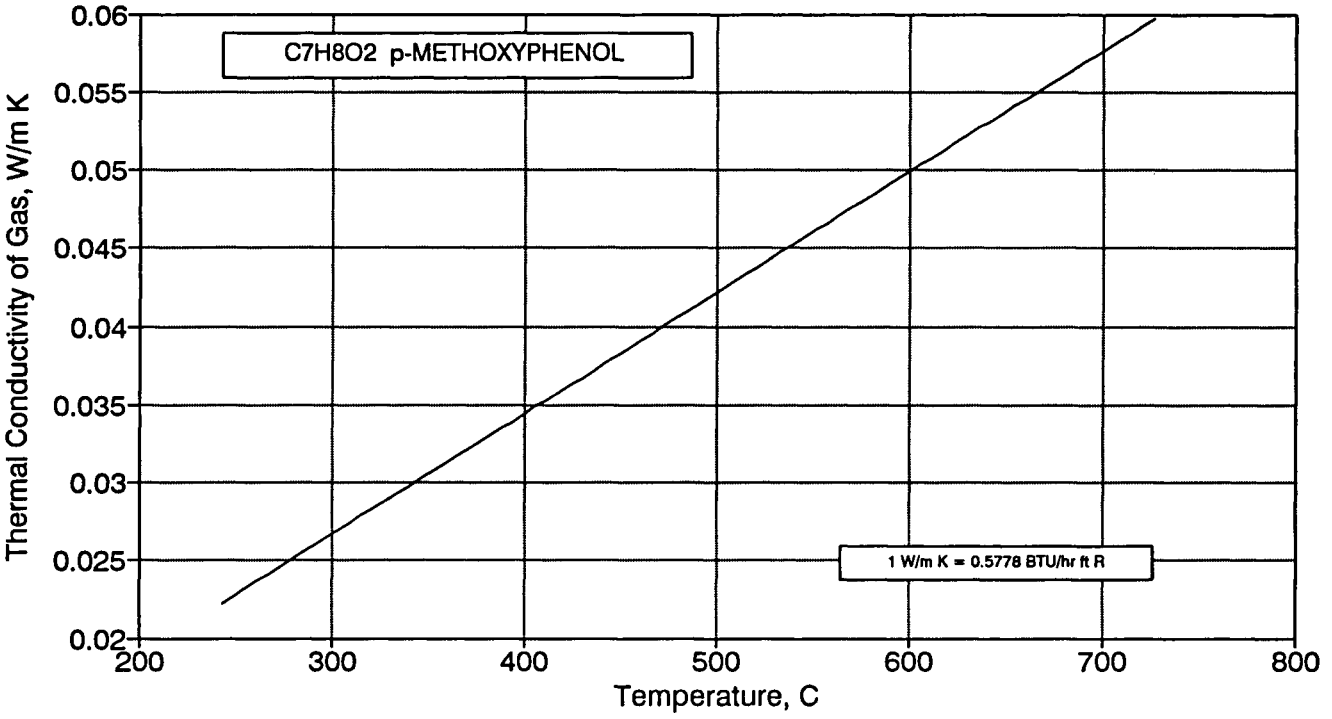

C7H8O o-CRESOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0
50
100
150
200
250
300
350
400

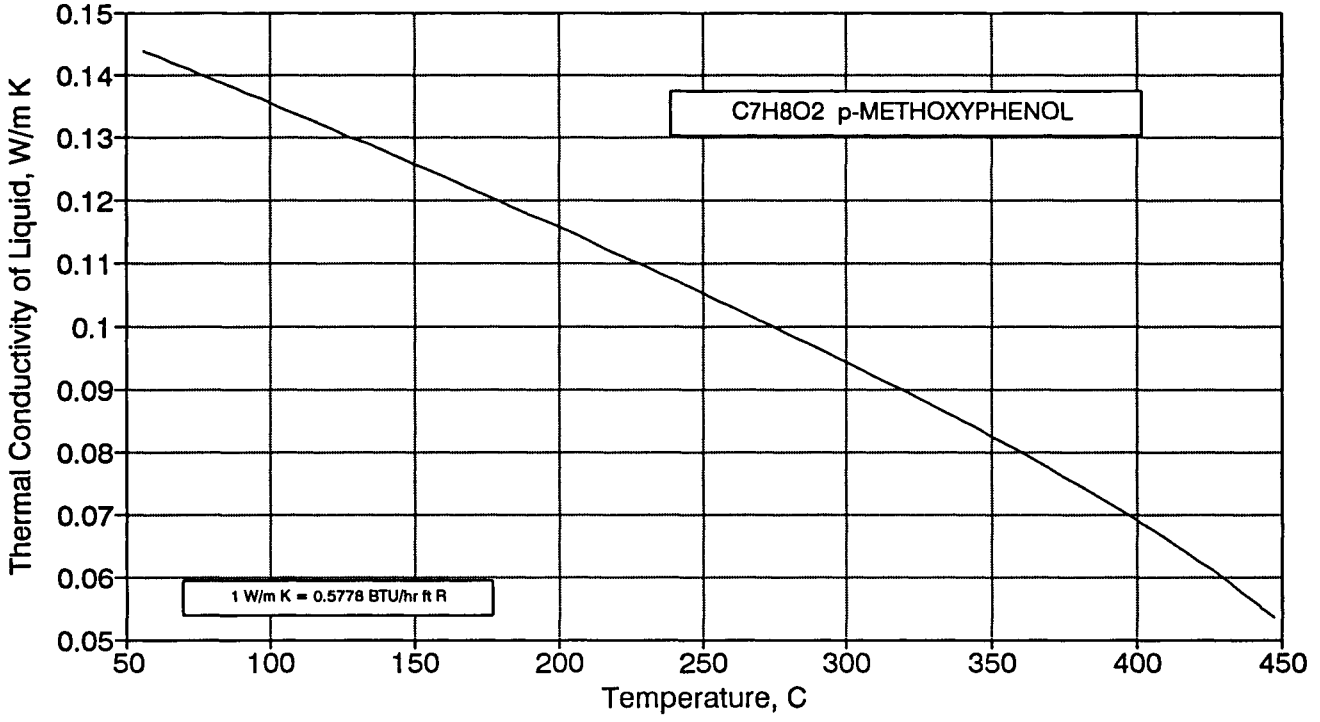

C7H8O o-CRESOL
Thermal Conductivity of Gas, W/m K
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

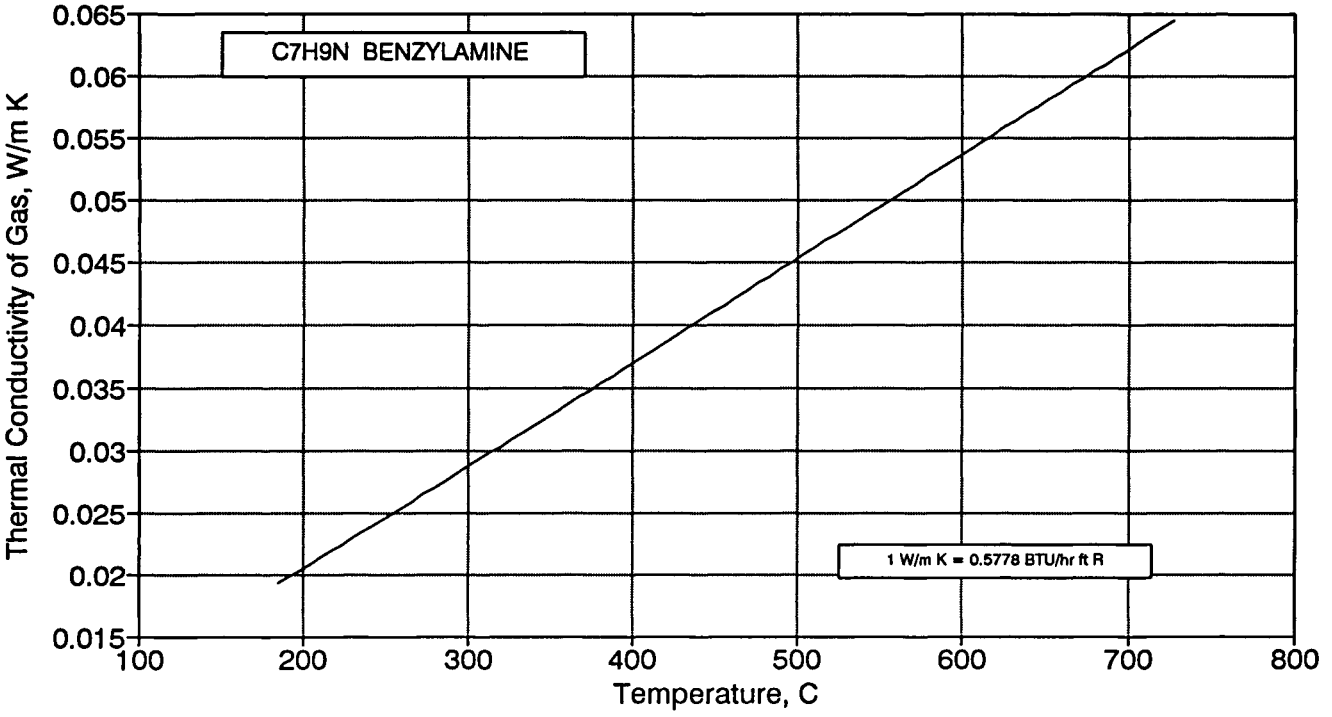

C7H8O p-CRESOL
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

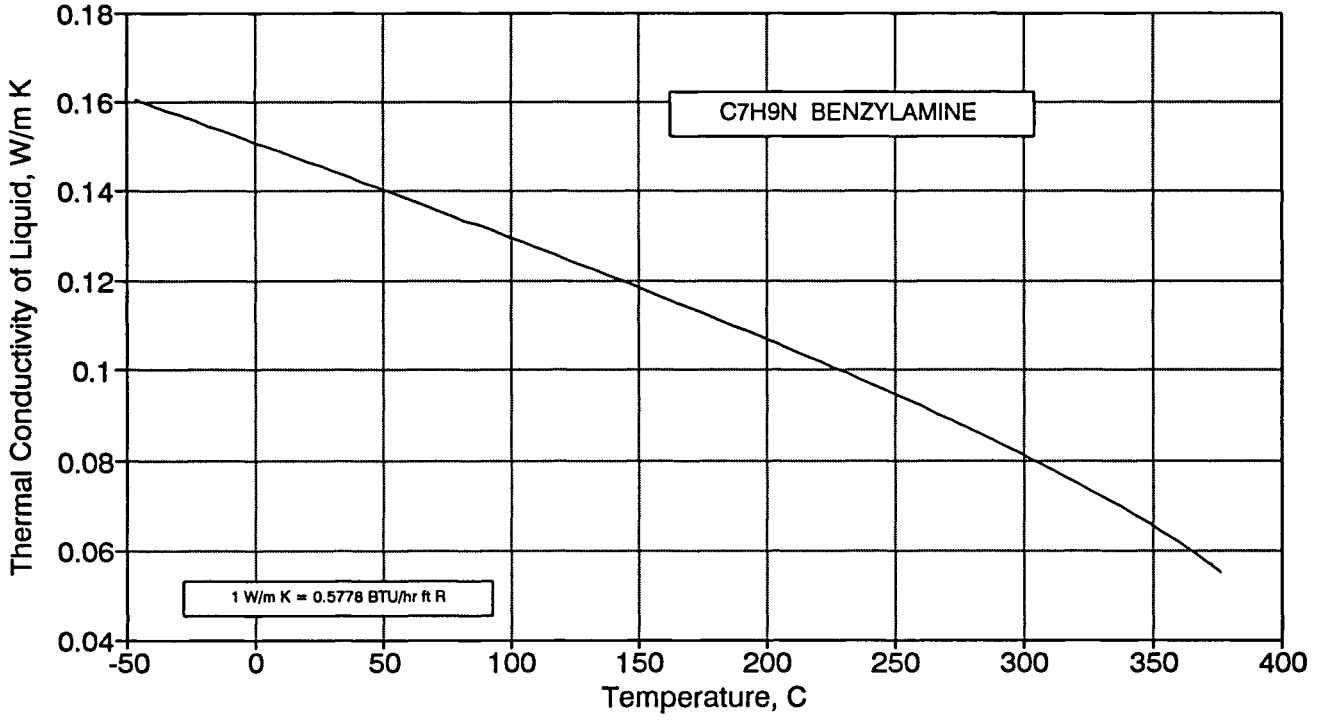

C7H8O2 GUAIACOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
200
300
400
500
600
700
800
Temperature, C

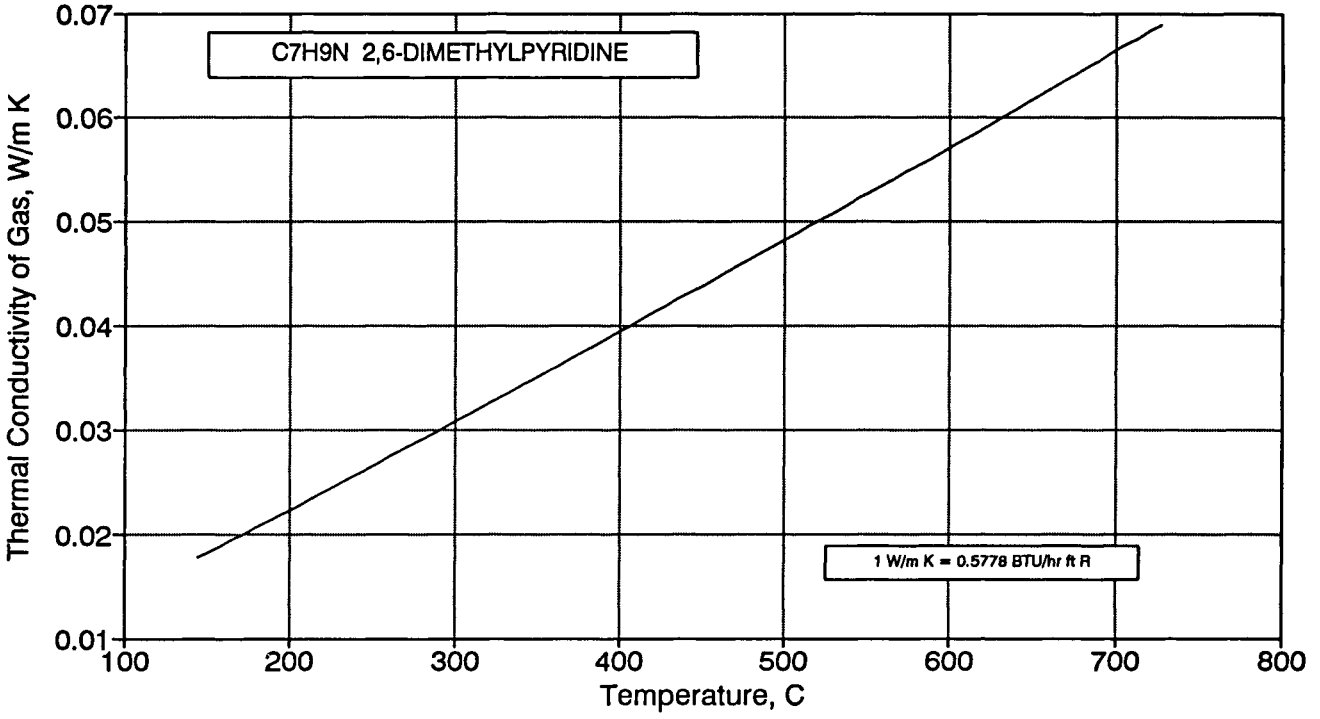

C7H8O2 GUAIACOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0
50
100
150
200
250
300
350
400
Temperature, C

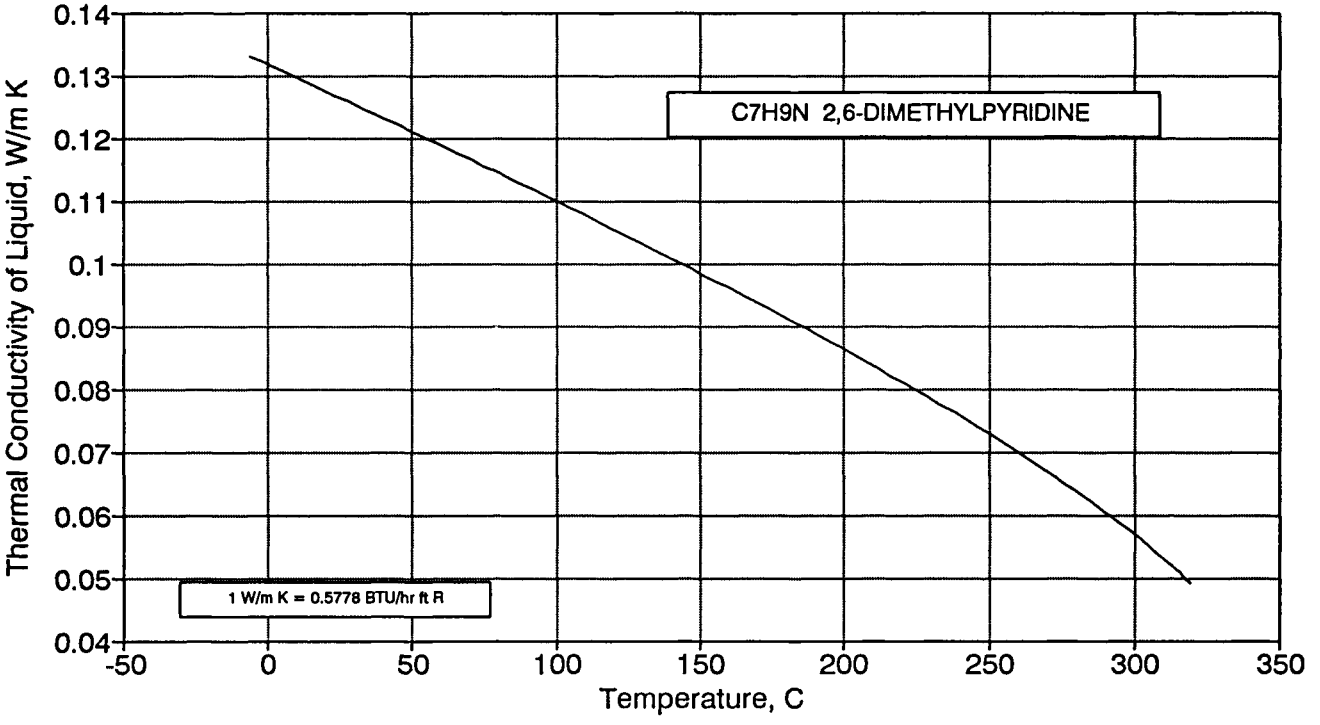

C7H8O2 p-METHOXYPHENOL
Thermal Conductivity of Gas, W/m K
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

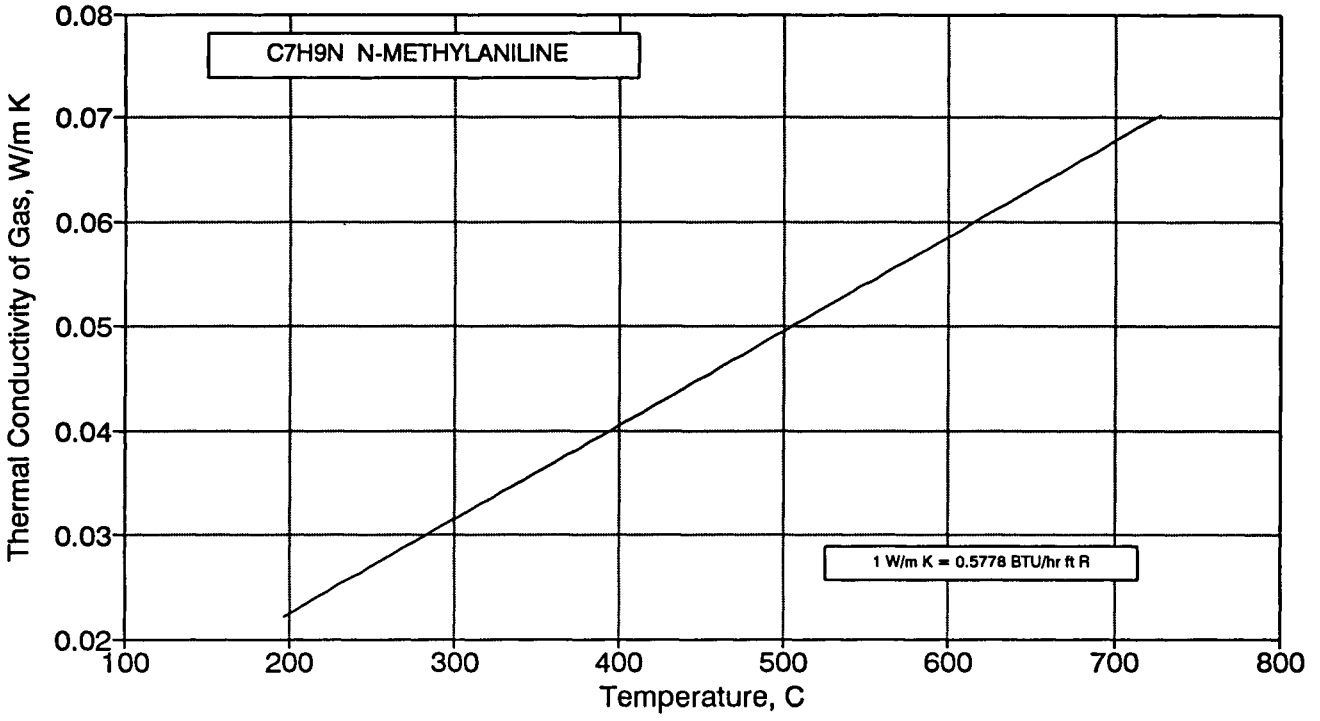

C7H8O2 p-METHOXYPHENOL
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
50
100
150
200
250
300
350
400
450
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

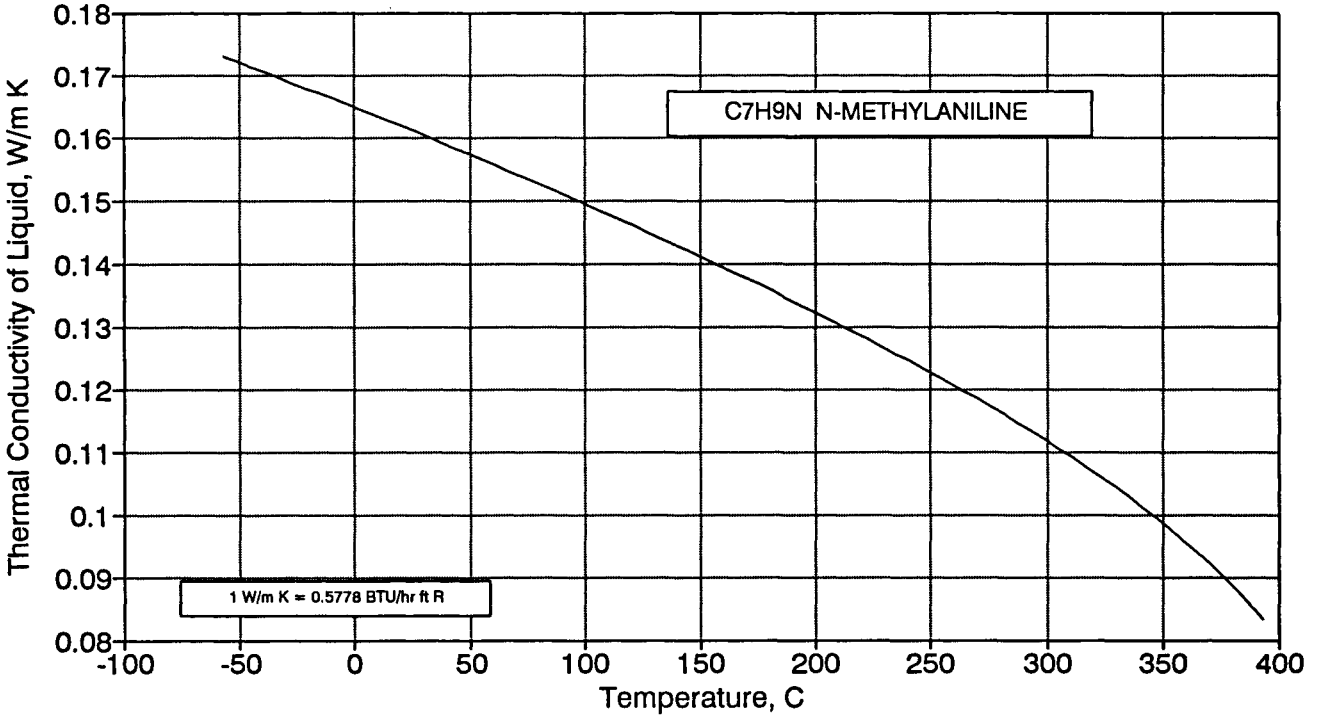

C7H9N BENZYLAMINE
Thermal Conductivity of Gas, W/m K
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

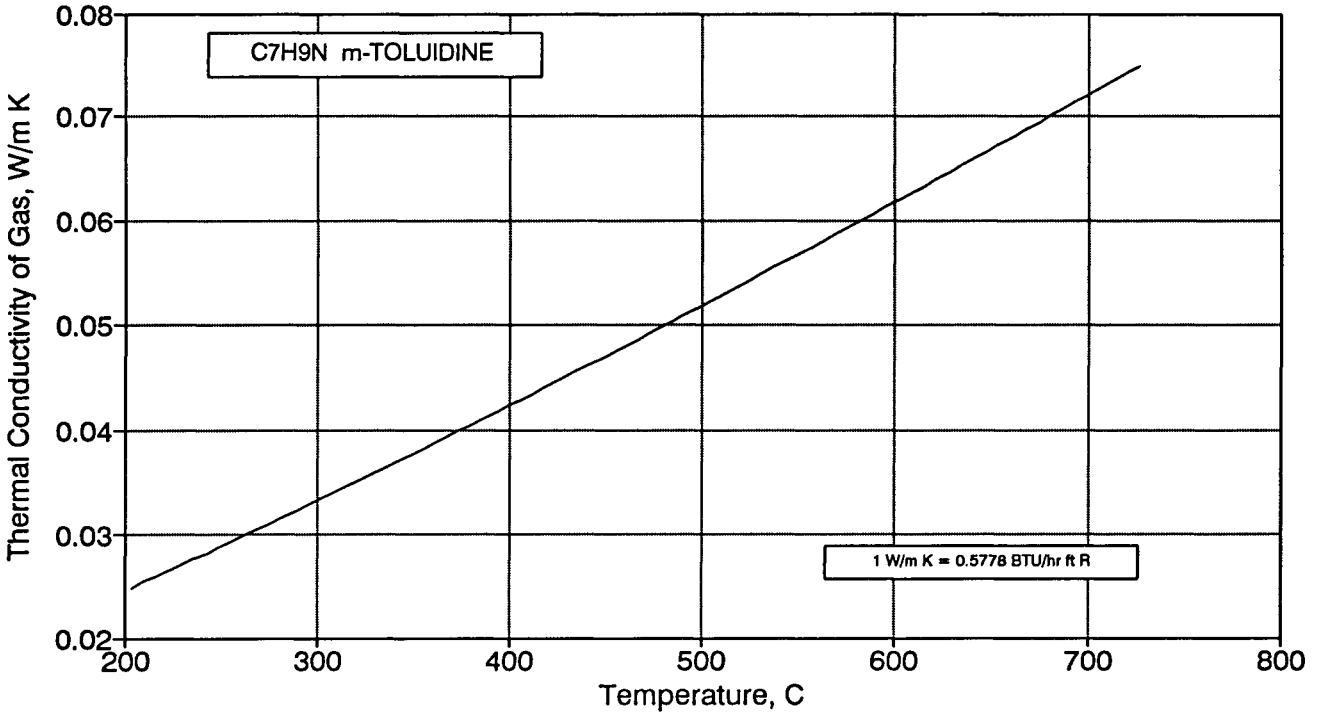

C7H9N BENZYLAMINE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-50
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

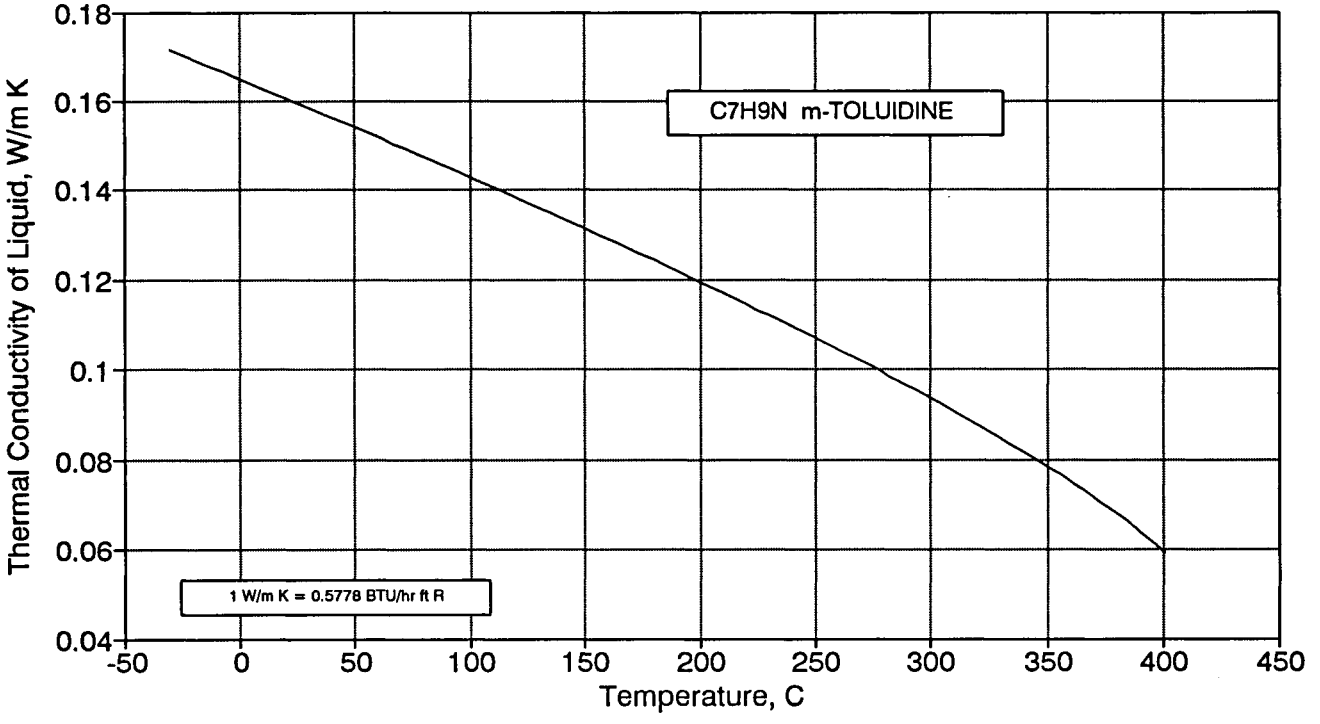

C7H9N 2,6-DIMETHYLPYRIDINE
Thermal Conductivity of Gas, W/m K
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

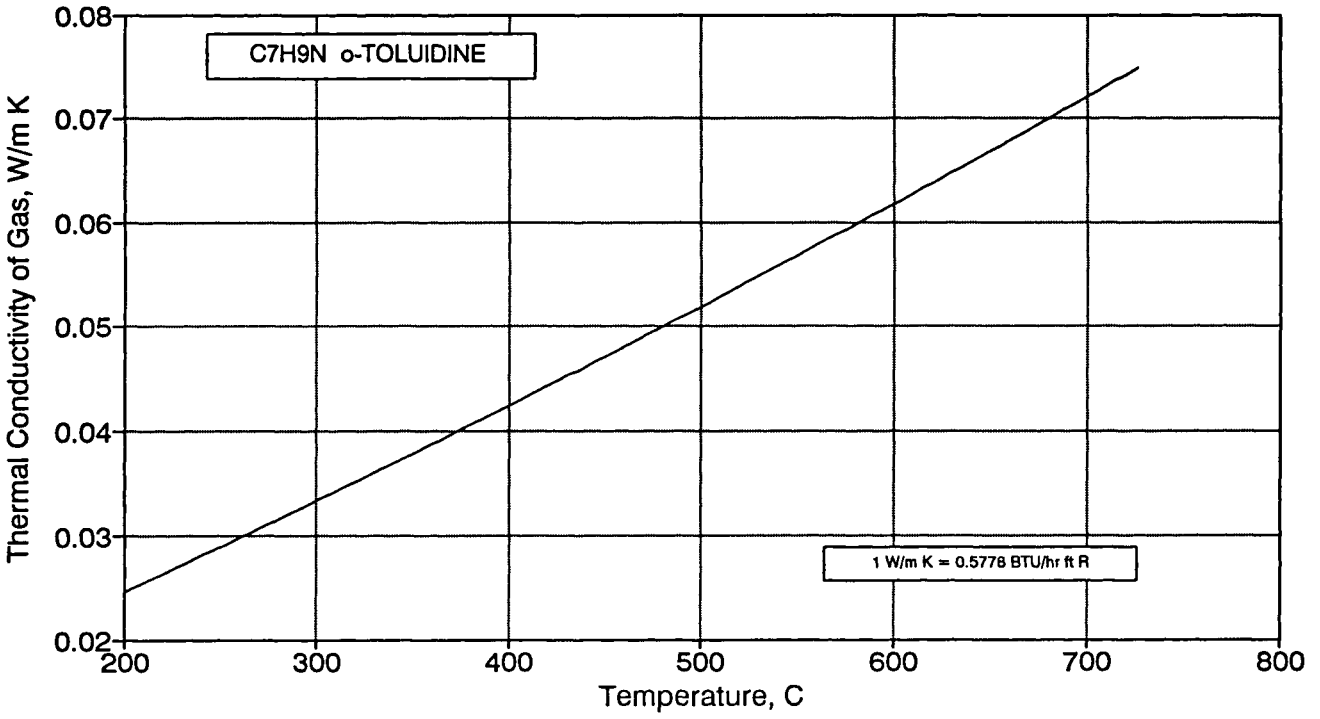

C7H9N 2,6-DIMETHYLPYRIDINE
Thermal Conductivity of Liquid, W/m K
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

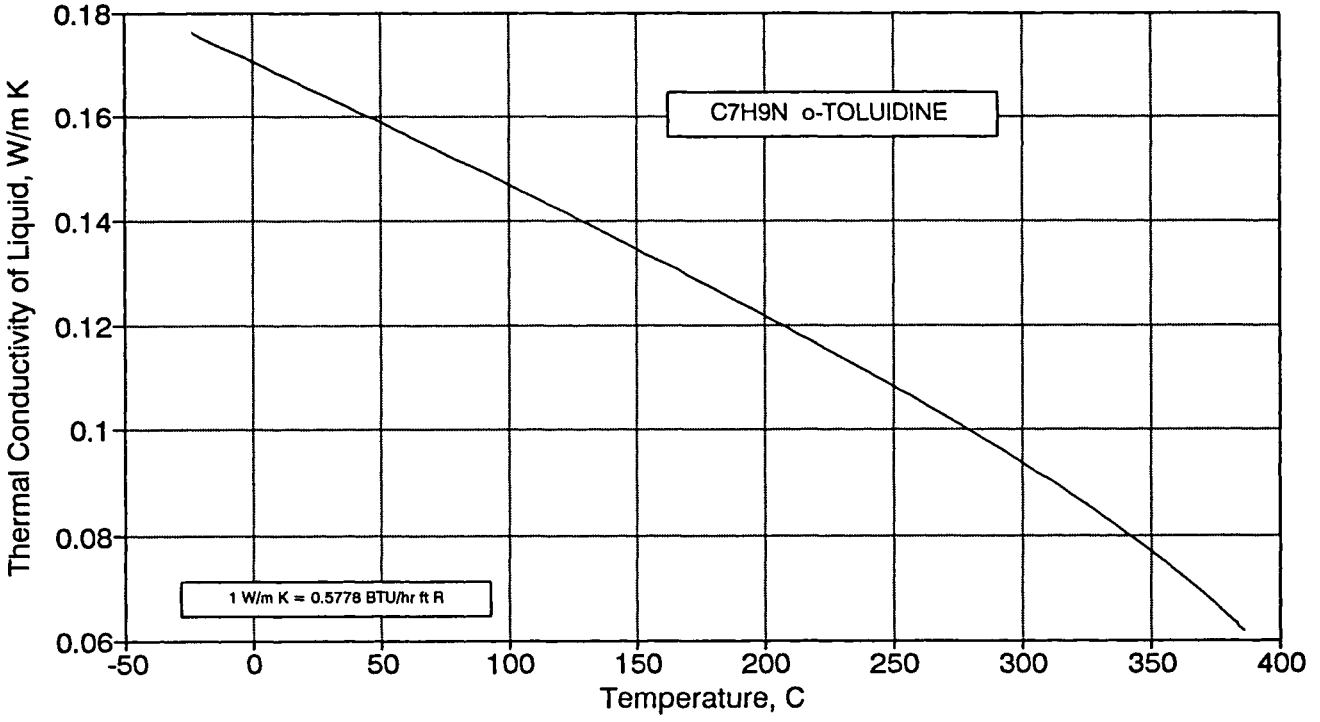

C7H9N N-METHYLANILINE
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

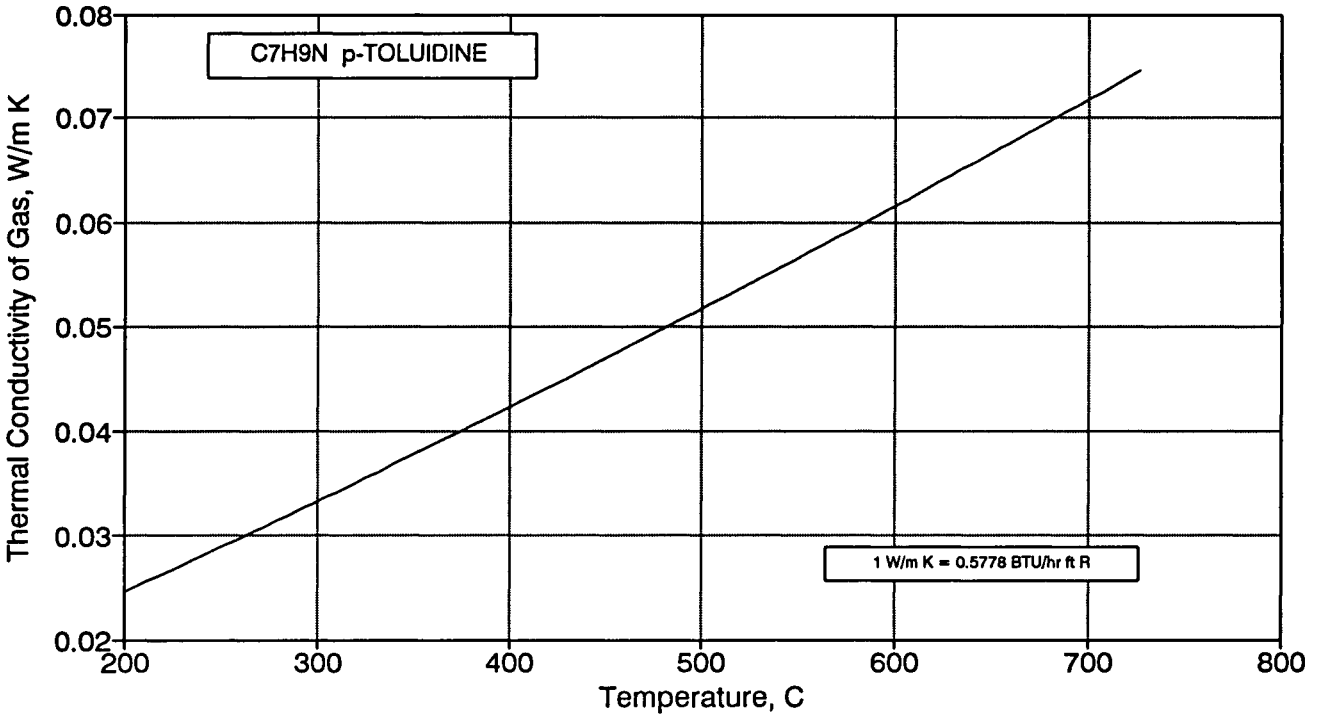

C7H9N N-METHYLANILINE
Thermal Conductivity of Liquid, W/m K
0.18
0.17
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
-100
-50
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

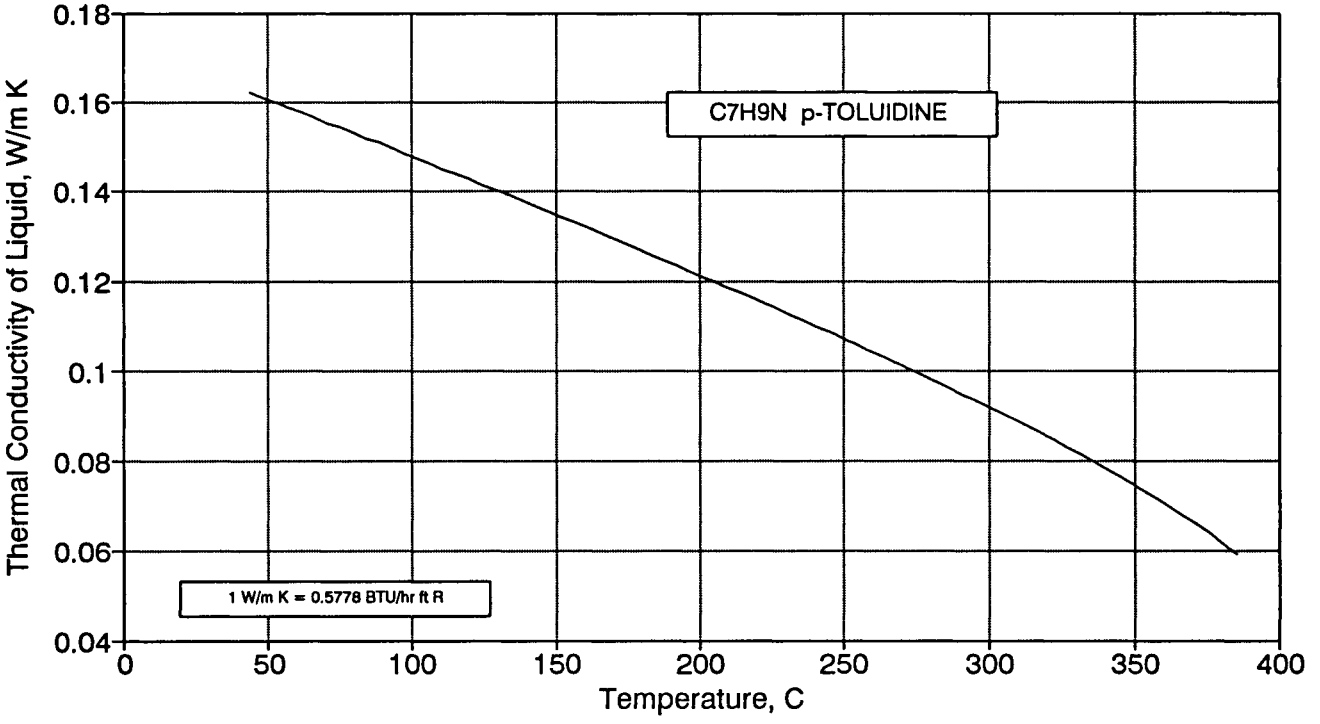

C7H9N m-TOLUIDINE
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

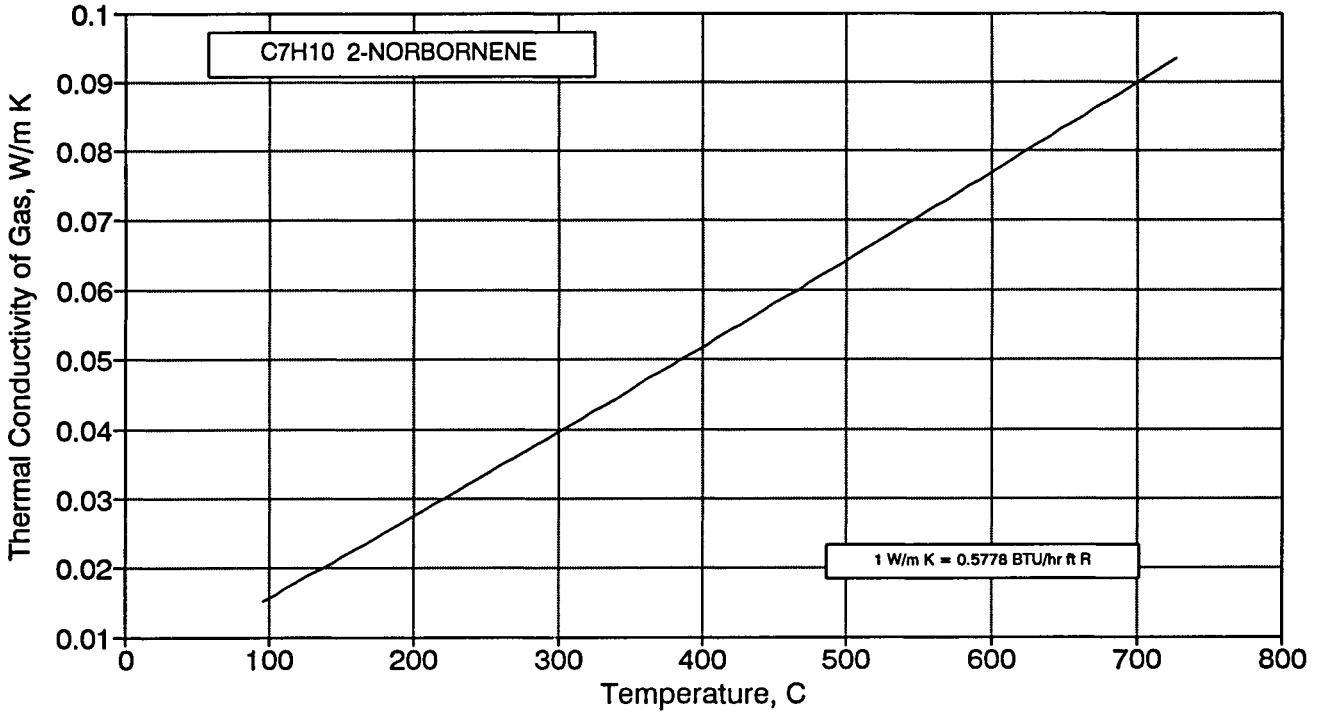

C7H9N m-TOLUIDINE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-50
0
50
100
150
200
250
300
350
400
450
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

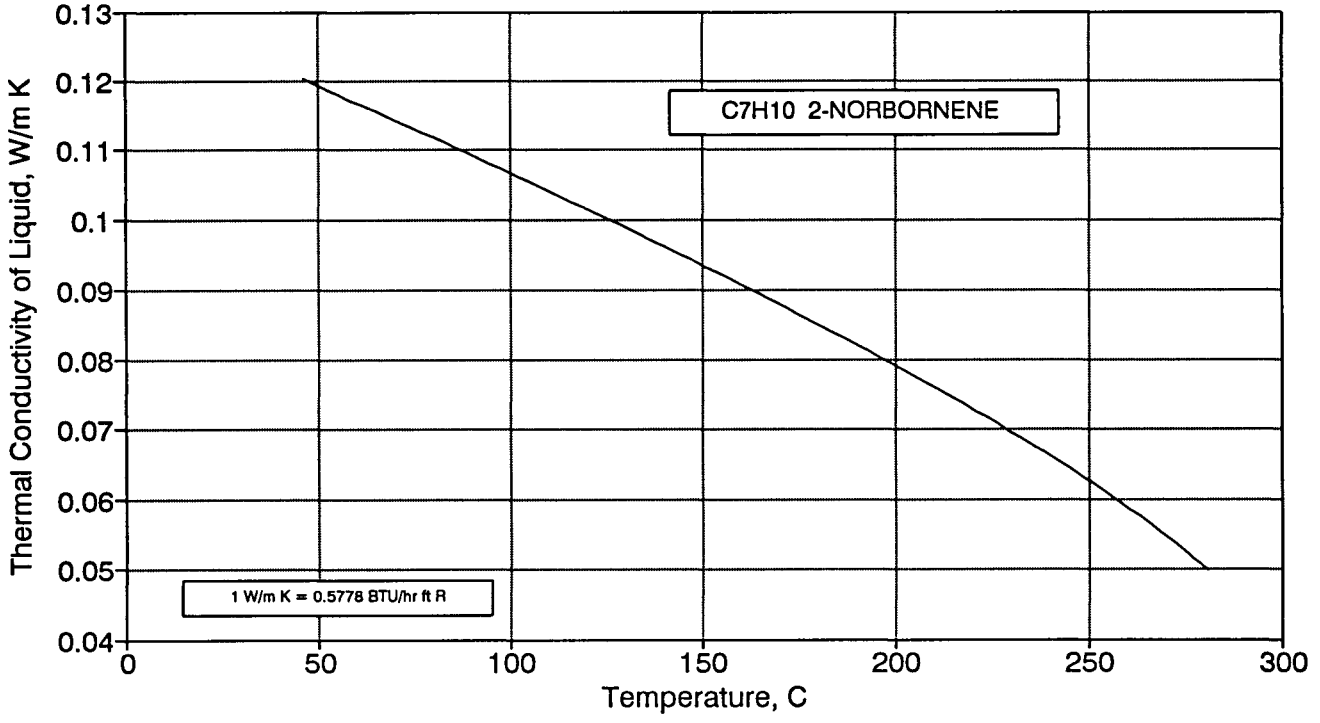

C7H9N o-TOLUIDINE
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

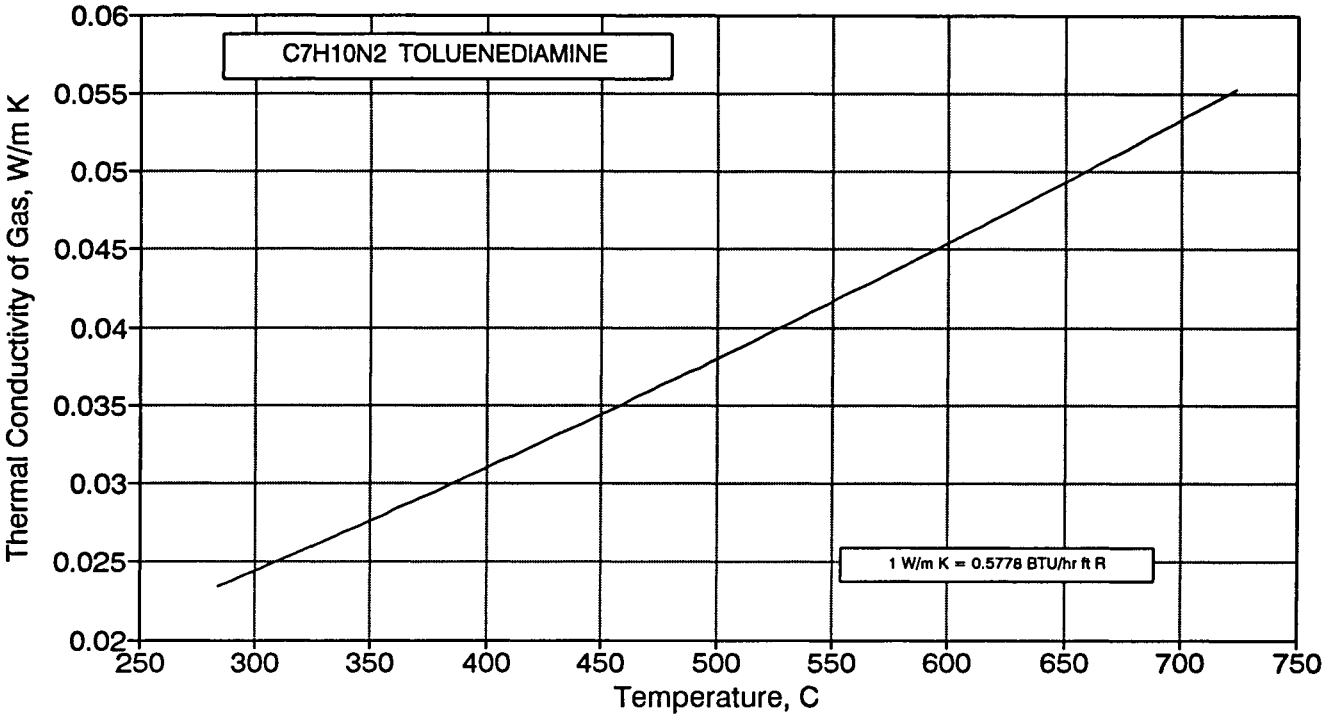

C7H9N o-TOLUIDINE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-50
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

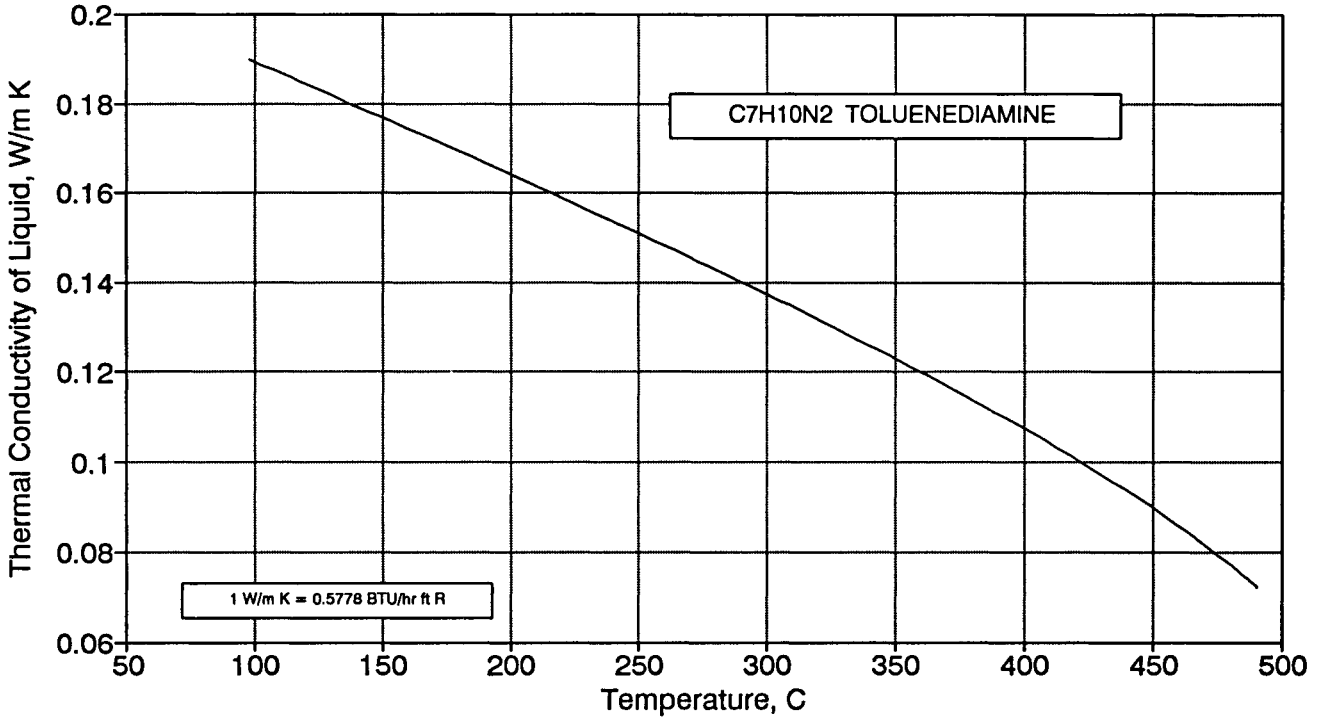

C7H9N p-TOLUIDINE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
200
300
400
500
600
700
800
Temperature, C

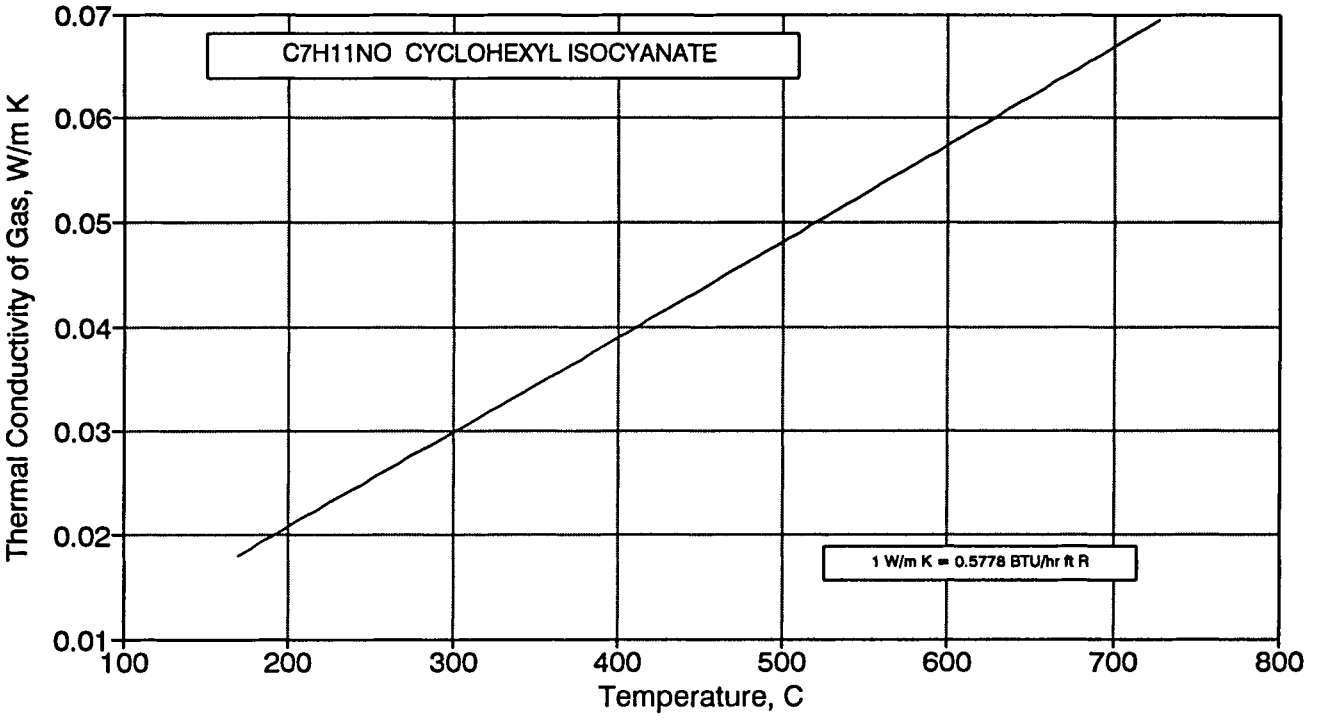

C7H9N p-TOLUIDINE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0
50
100
150
200
250
300
350
400
Temperature, C

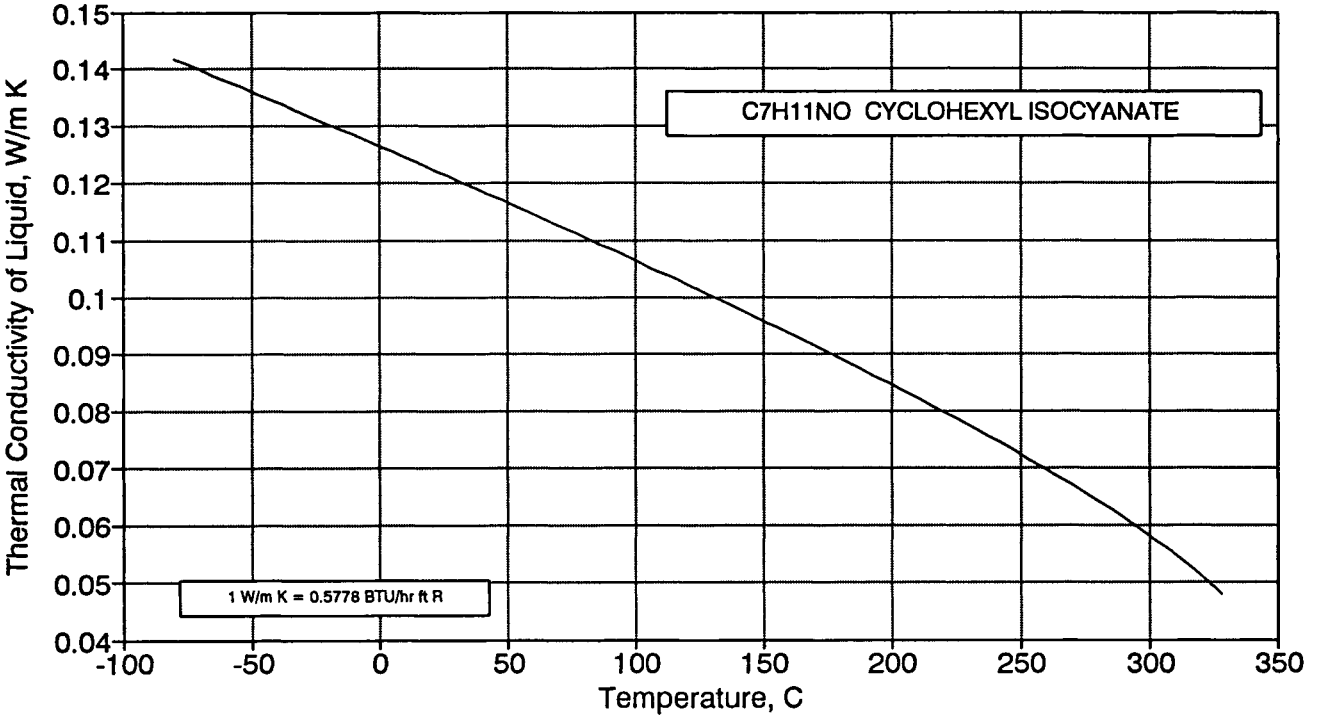

C7H10 2-NORBORNENE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

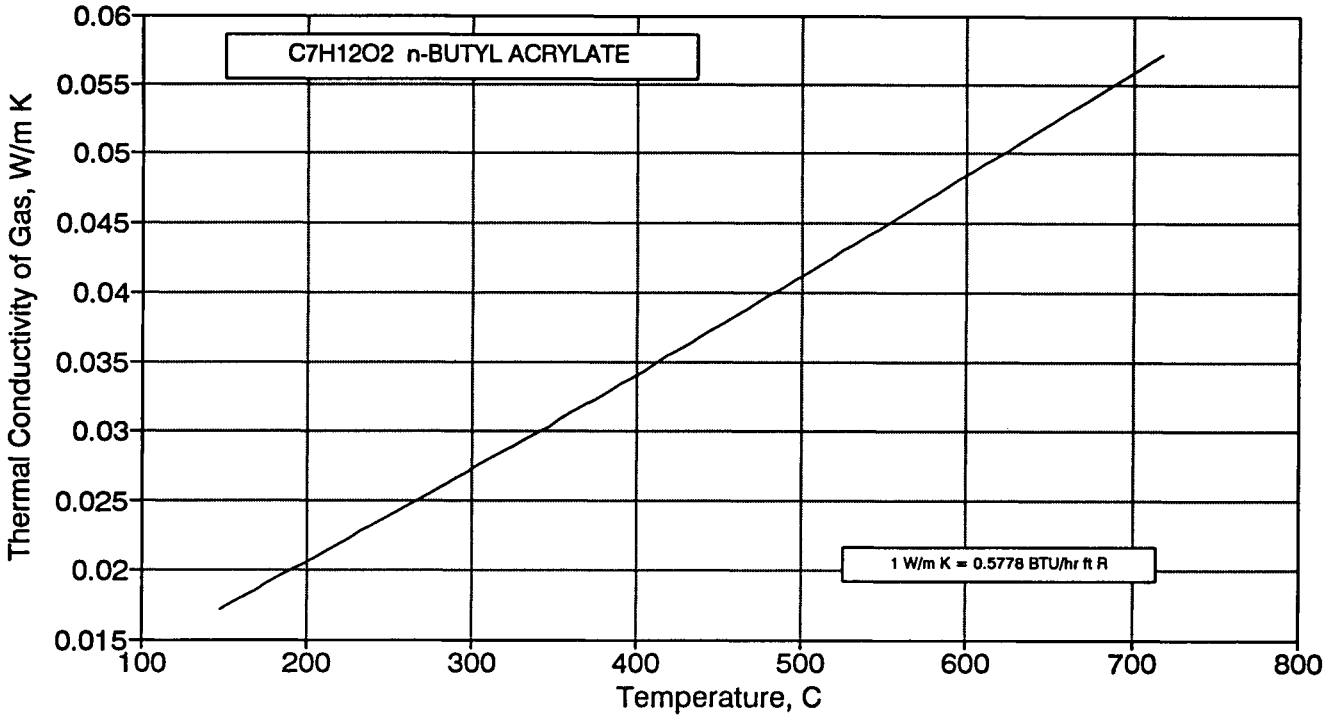

C7H10 2-NORBORNENE
Thermal Conductivity of Liquid, W/m K
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

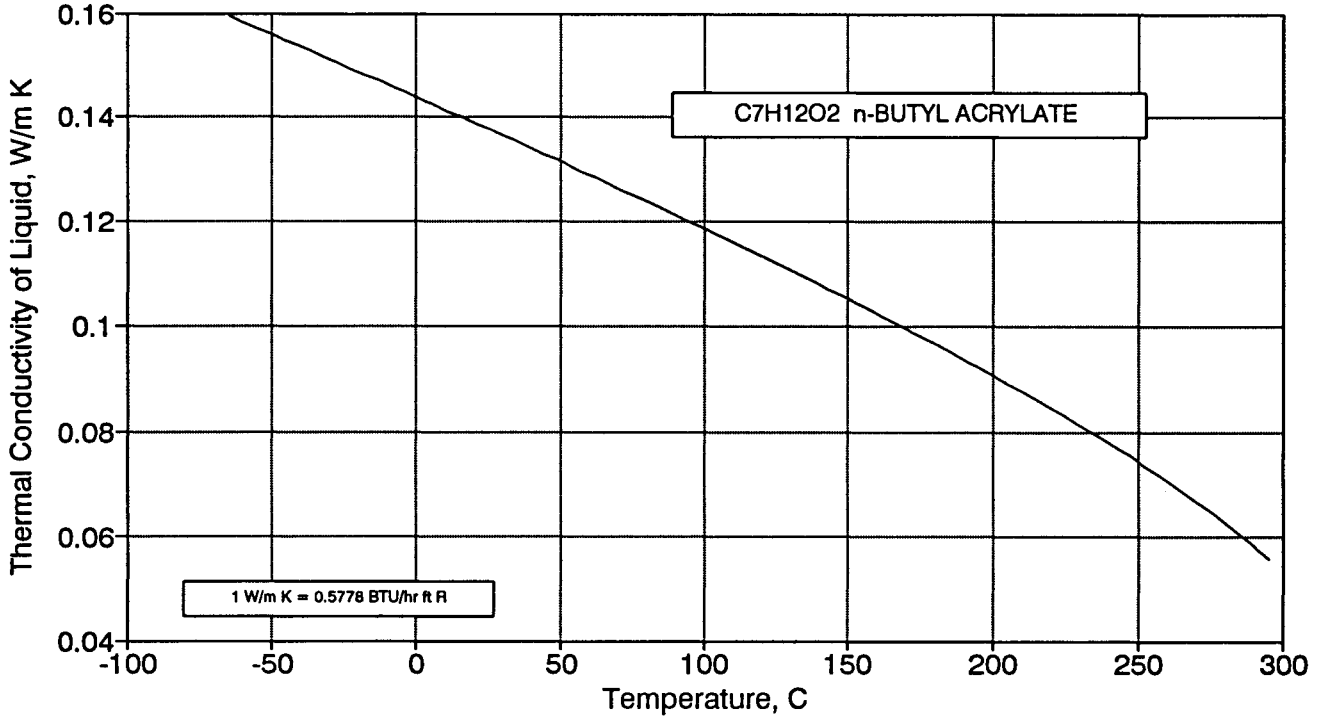

C7H10N2 TOLUENEDIAMINE
Thermal Conductivity of Gas, W/m K
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
250
300
350
400
450
500
550
600
650
700
750
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

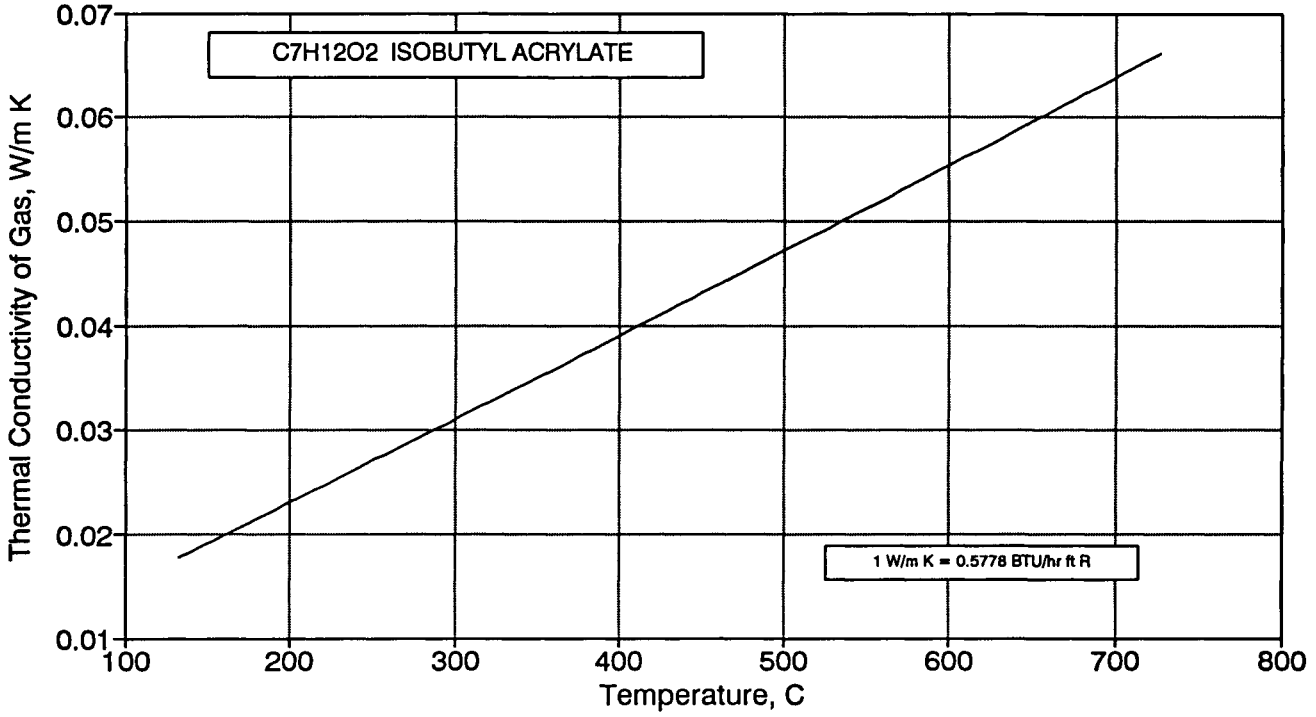

C7H10N2 TOLUENEDIAMINE
Thermal Conductivity of Liquid, W/m K
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
50
100
150
200
250
300
350
400
450
500
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

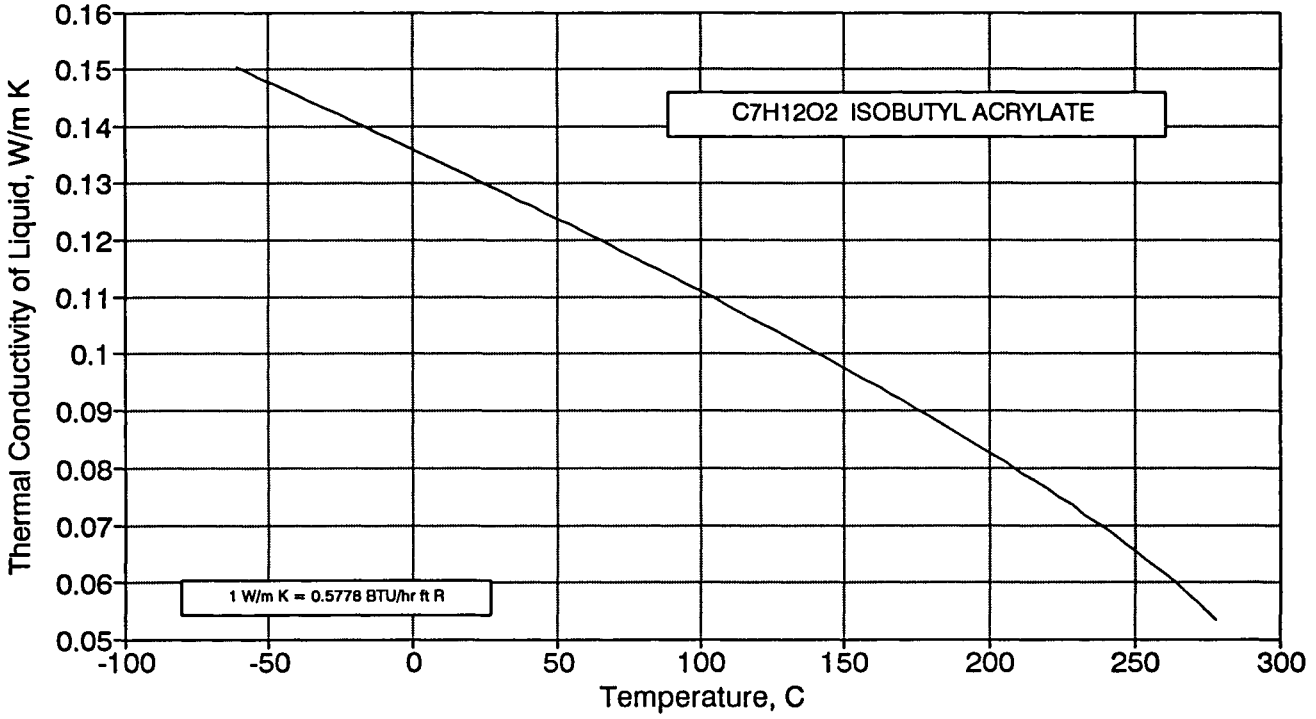

C7H11NO CYCLOHEXYL ISOCYANATE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C

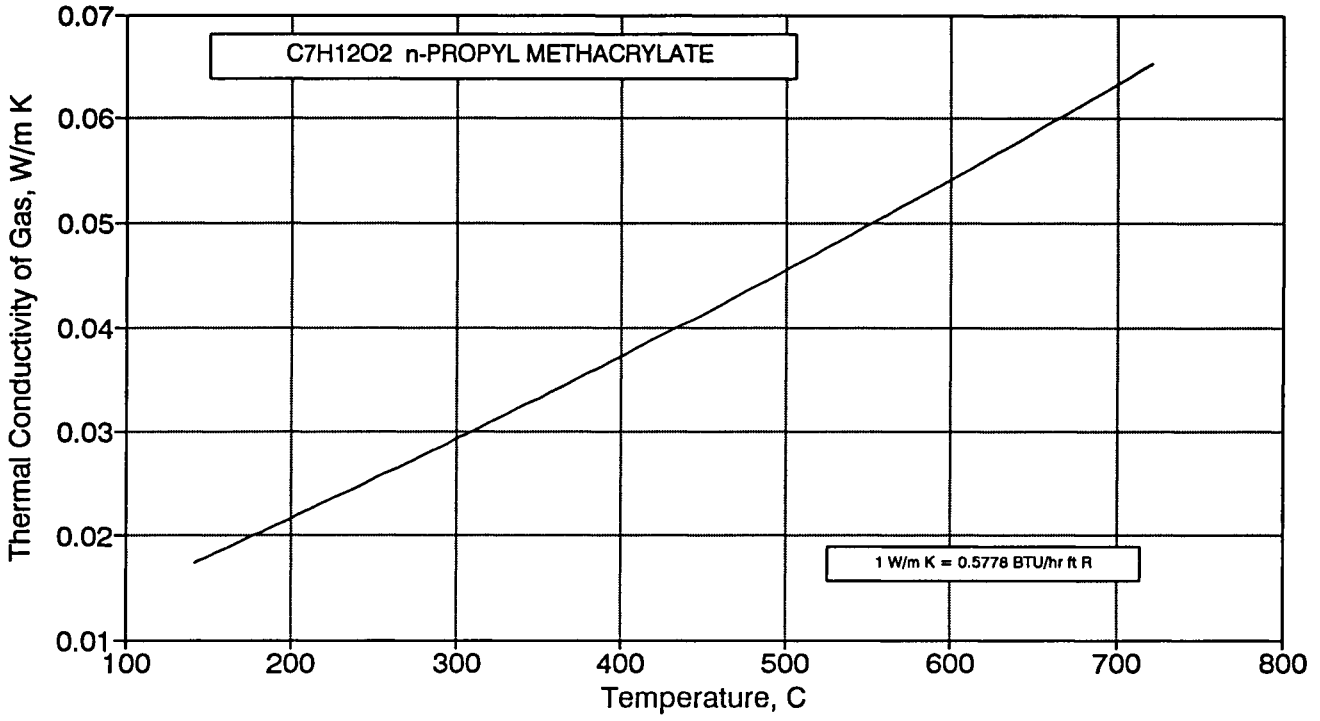

C7H11NO CYCLOHEXYL ISOCYANATE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-100
-50
0
50
100
150
200
250
300
350
Temperature, C

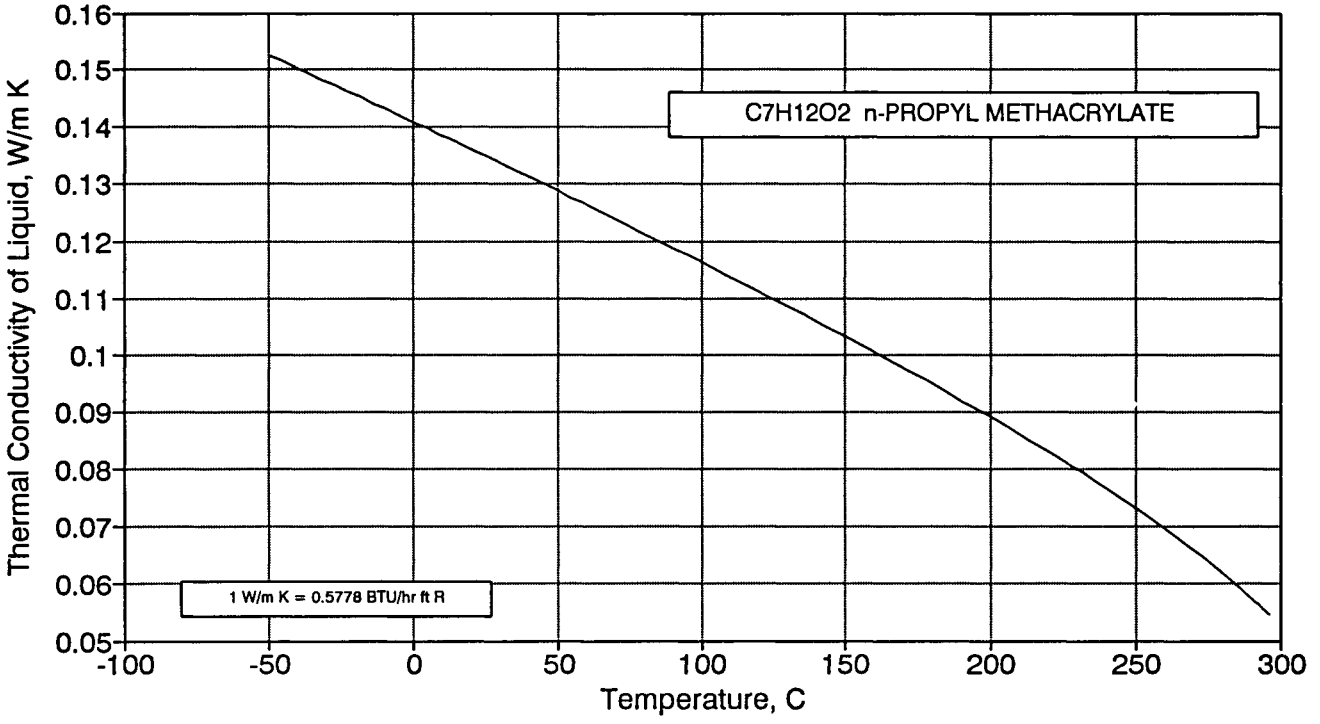

C7H12O2 n-BUTYL ACRYLATE
Thermal Conductivity of Gas, W/m K
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

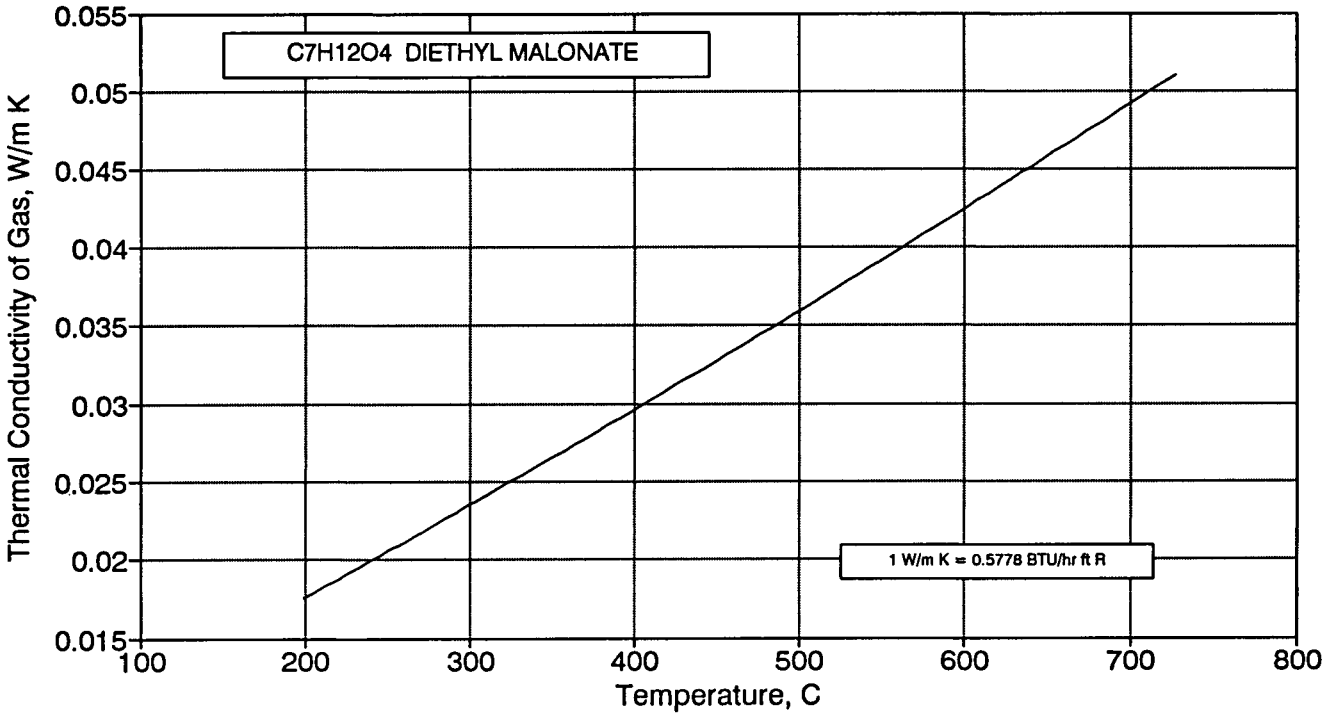

C7H12O2 n-BUTYL ACRYLATE
Thermal Conductivity of Liquid, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

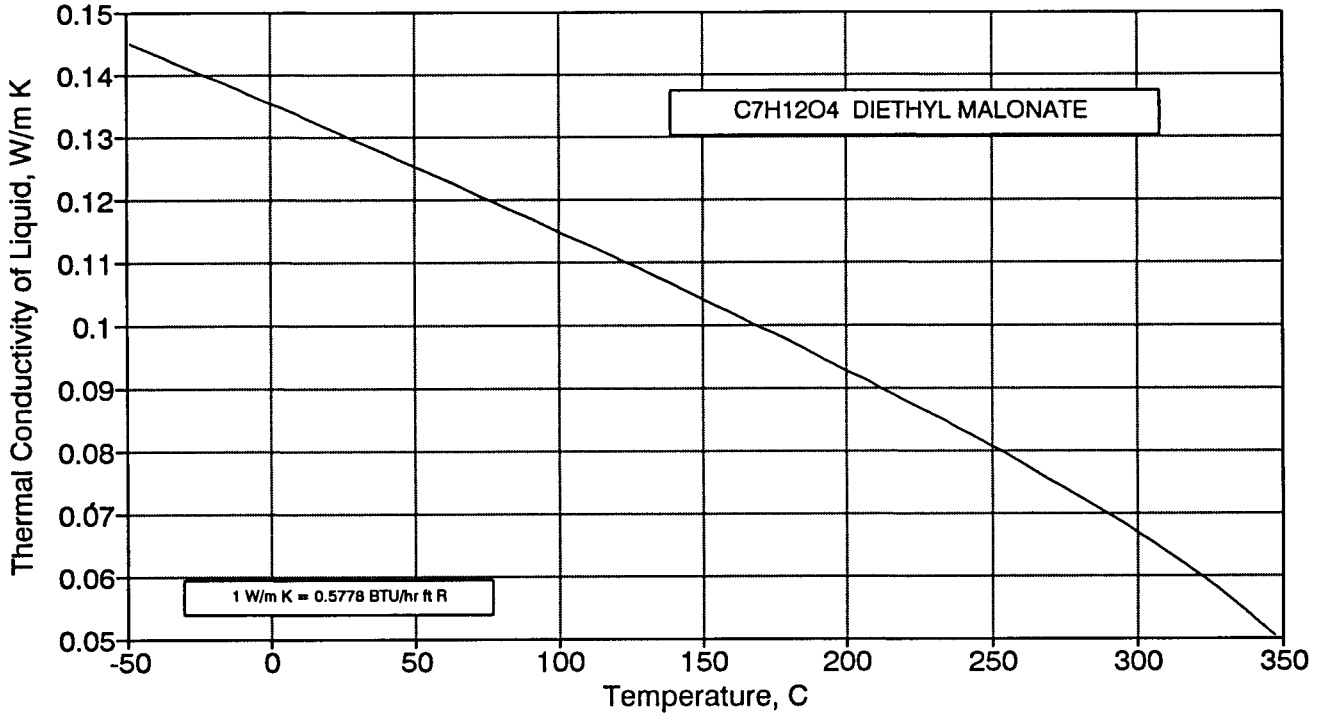

C7H12O2 ISOBUTYL ACRYLATE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C

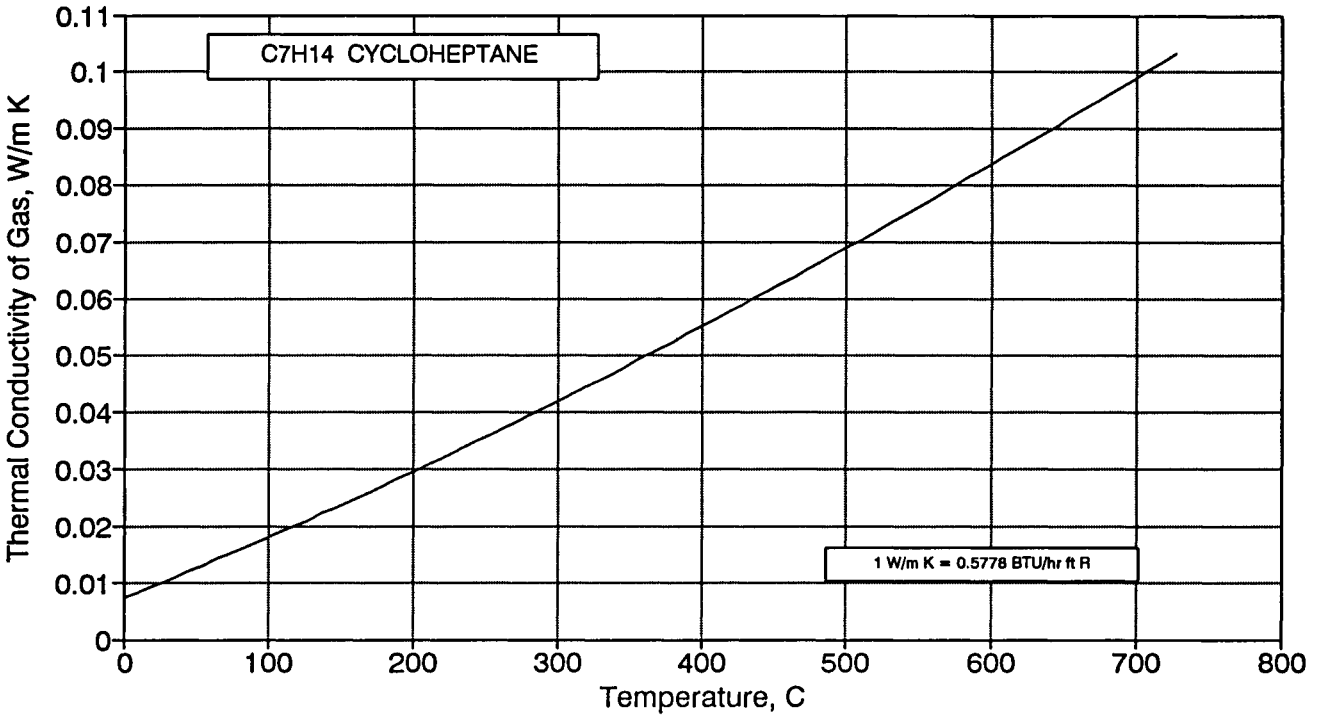

C7H12O2 ISOBUTYL ACRYLATE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
-100
-50
0
50
100
150
200
250
300
Temperature, C

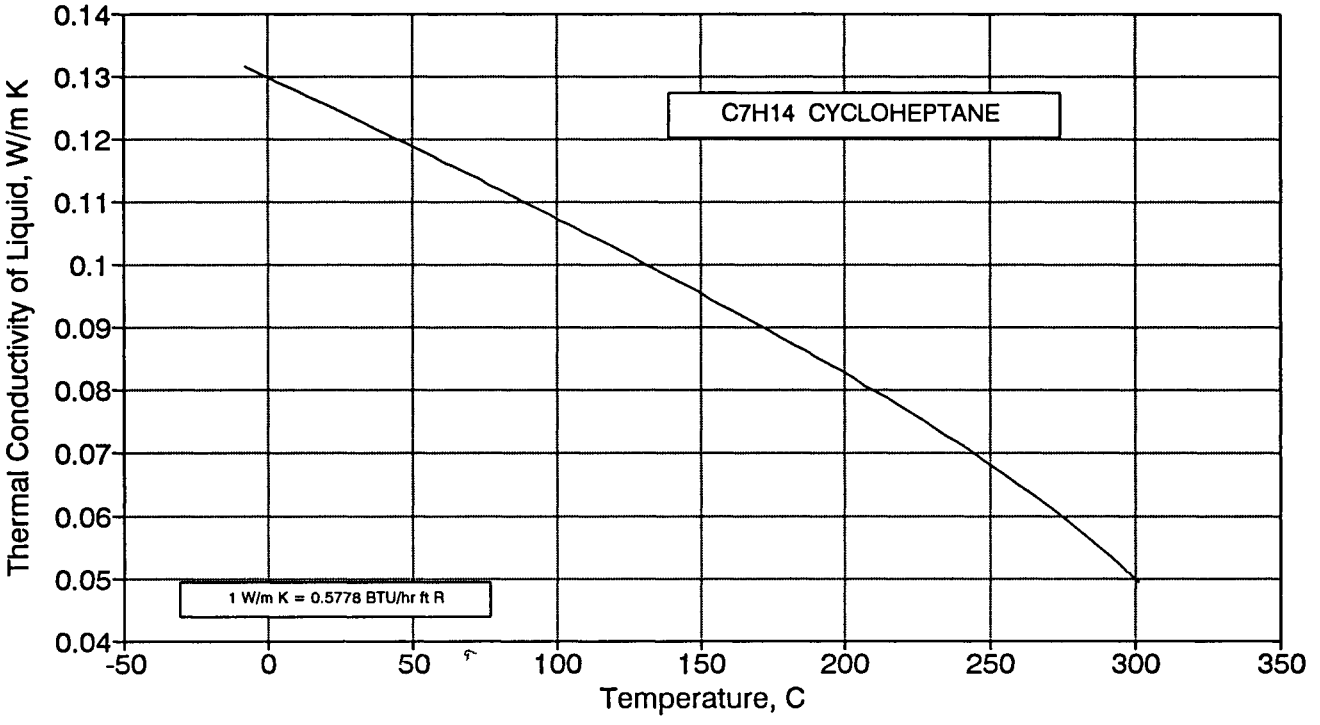

C7H12O2 n-PROPYL METHACRYLATE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C

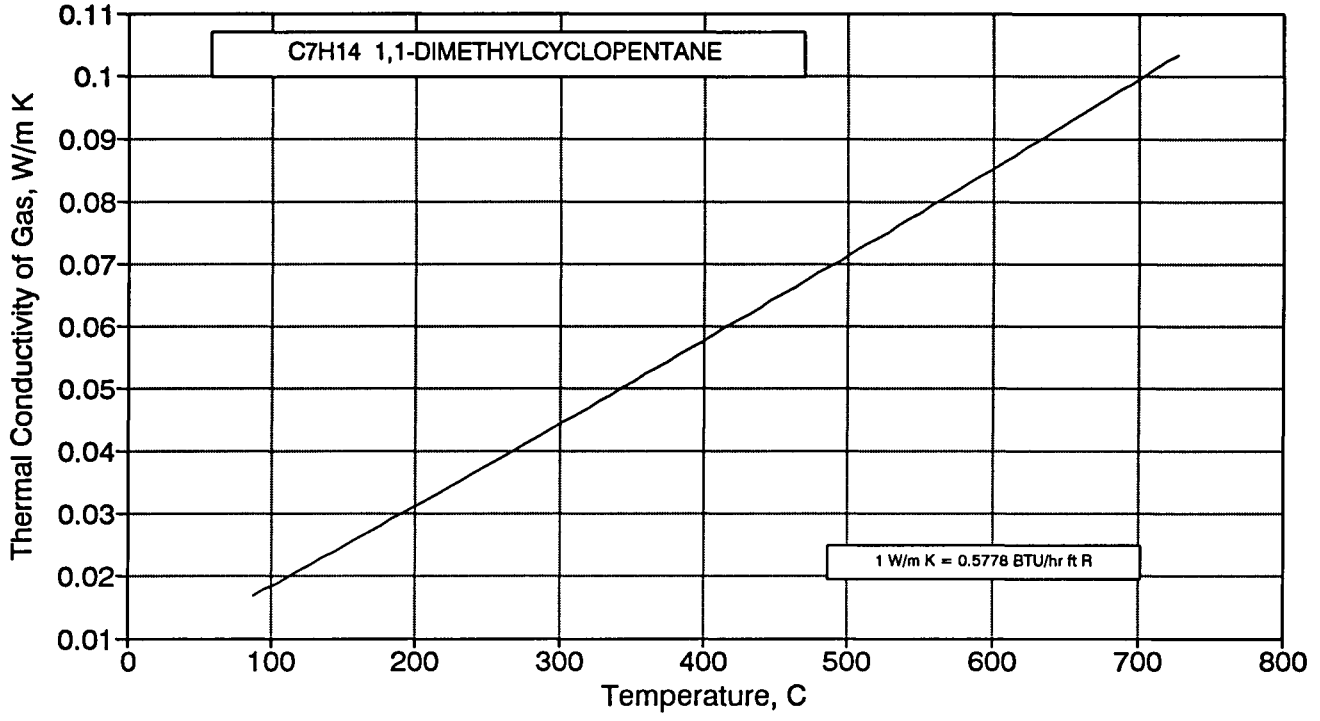

C7H12O2 n-PROPYL METHACRYLATE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
-100
-50
0
50
100
150
200
250
300
Temperature, C

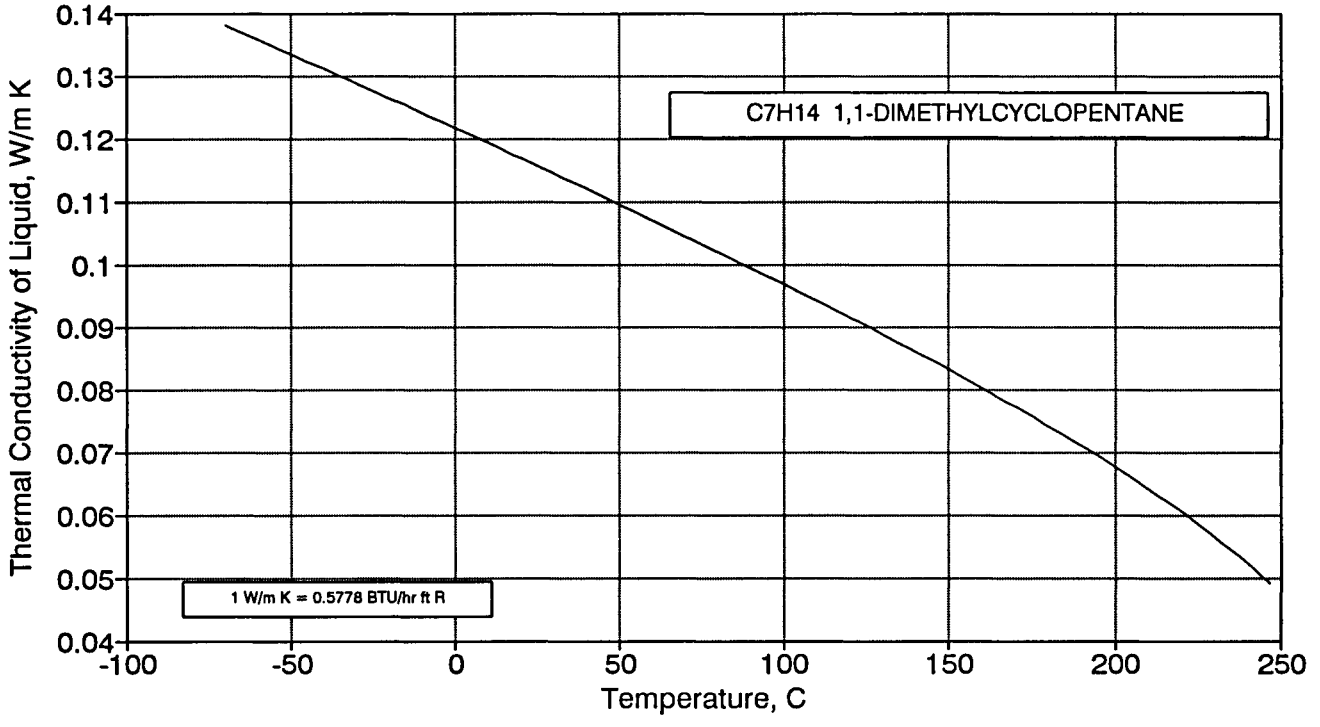

C7H12O4 DIETHYL MALONATE
Thermal Conductivity of Gas, W/m K
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

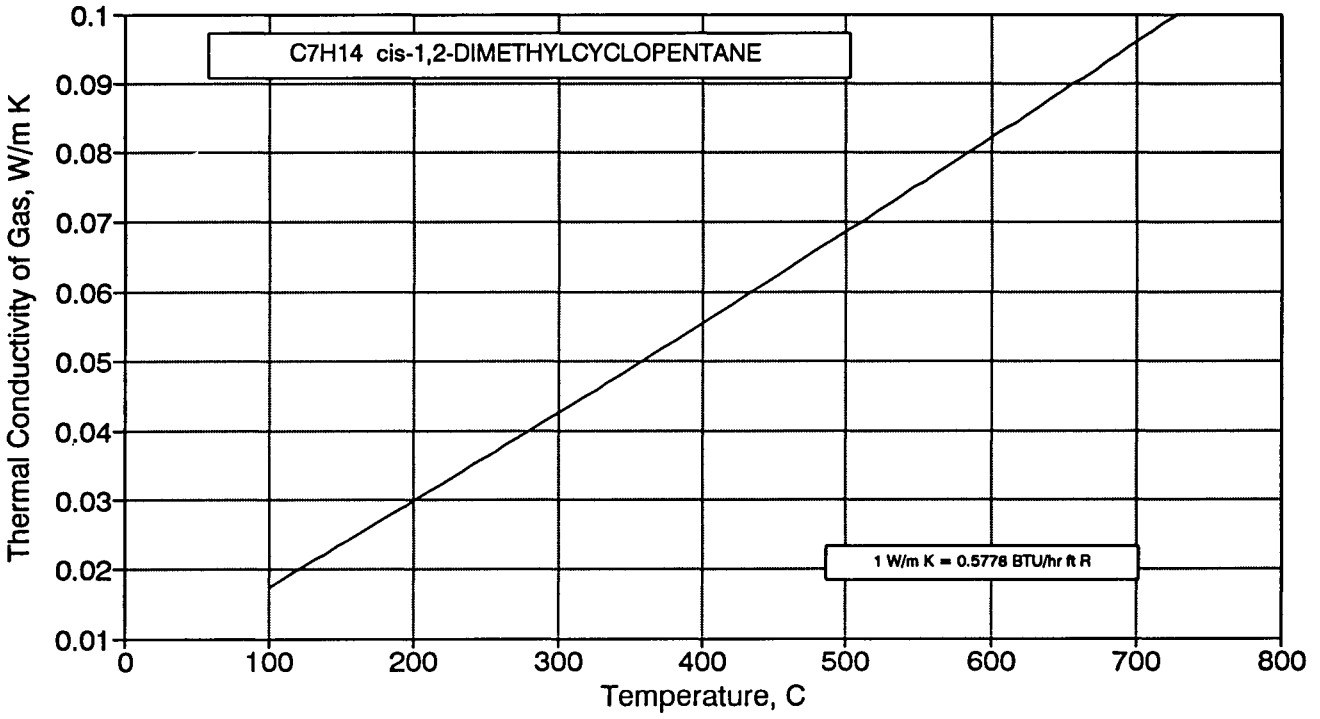

C7H12O4 DIETHYL MALONATE
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

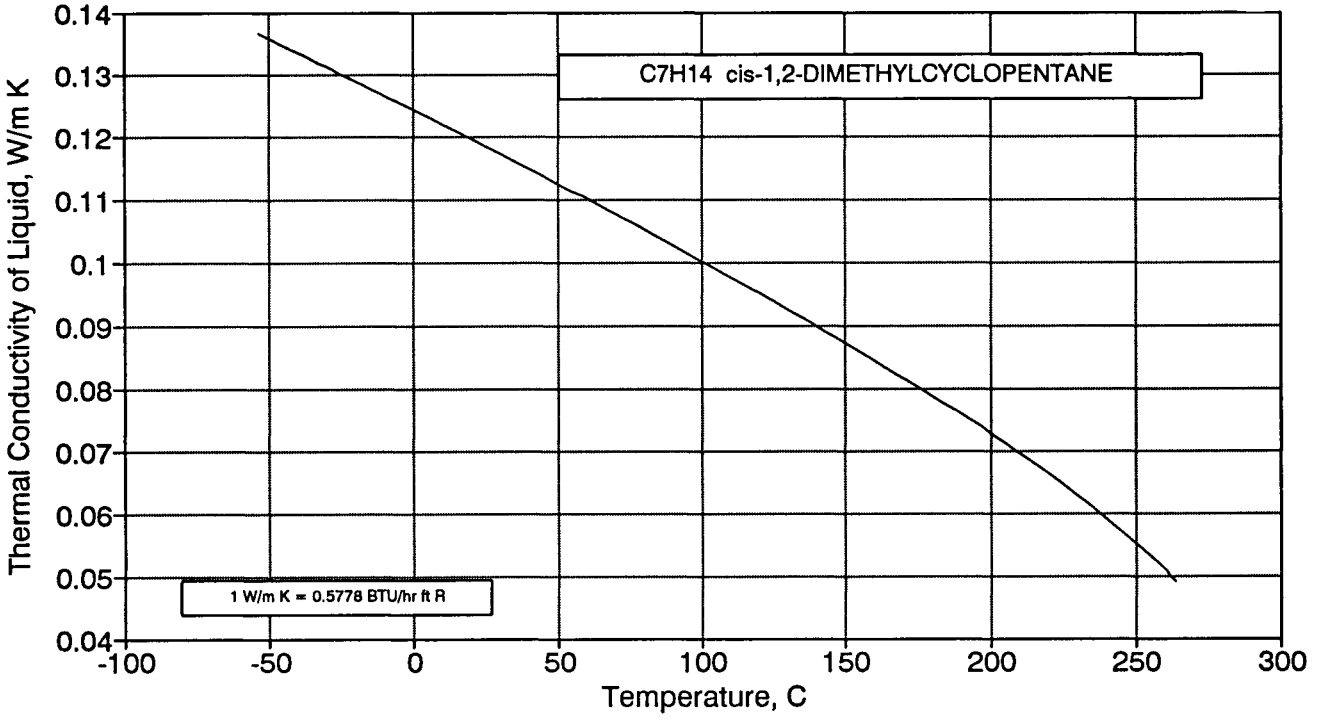

C7H14 CYCLOHEPTANE
Thermal Conductivity of Gas, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

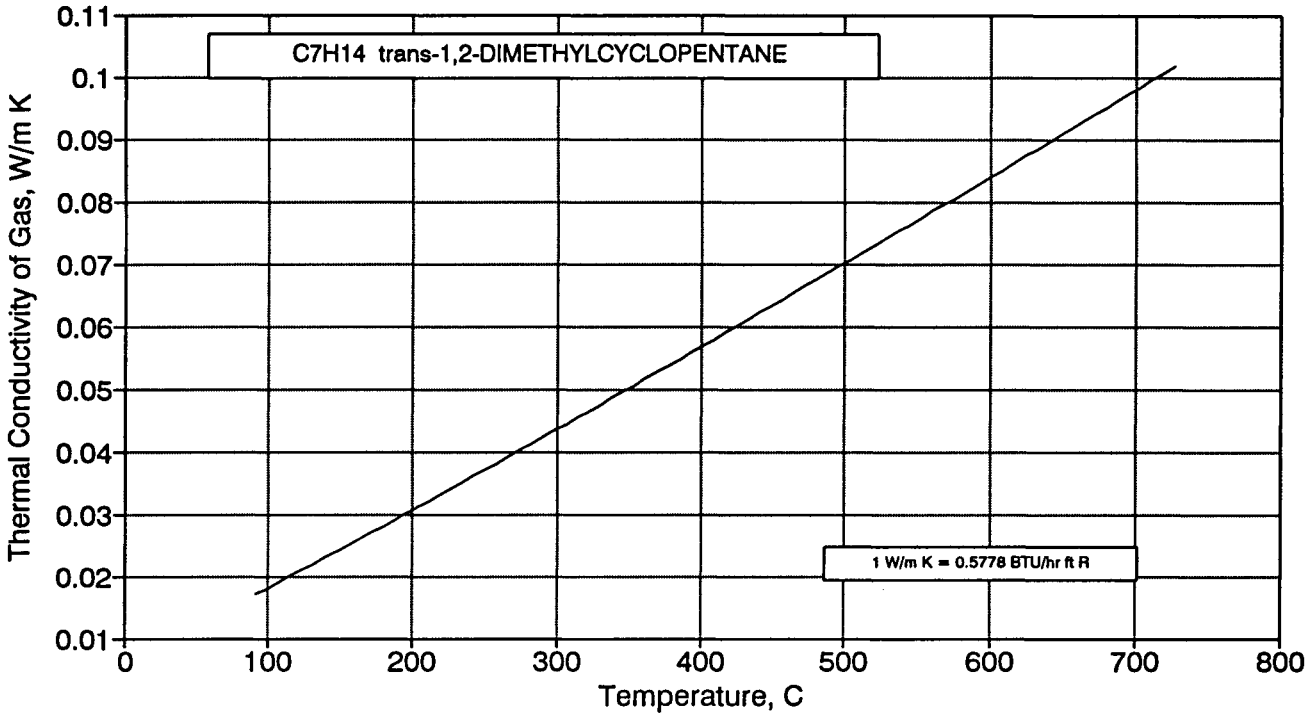

C7H14 CYCLOHEPTANE
Thermal Conductivity of Liquid, W/m K
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

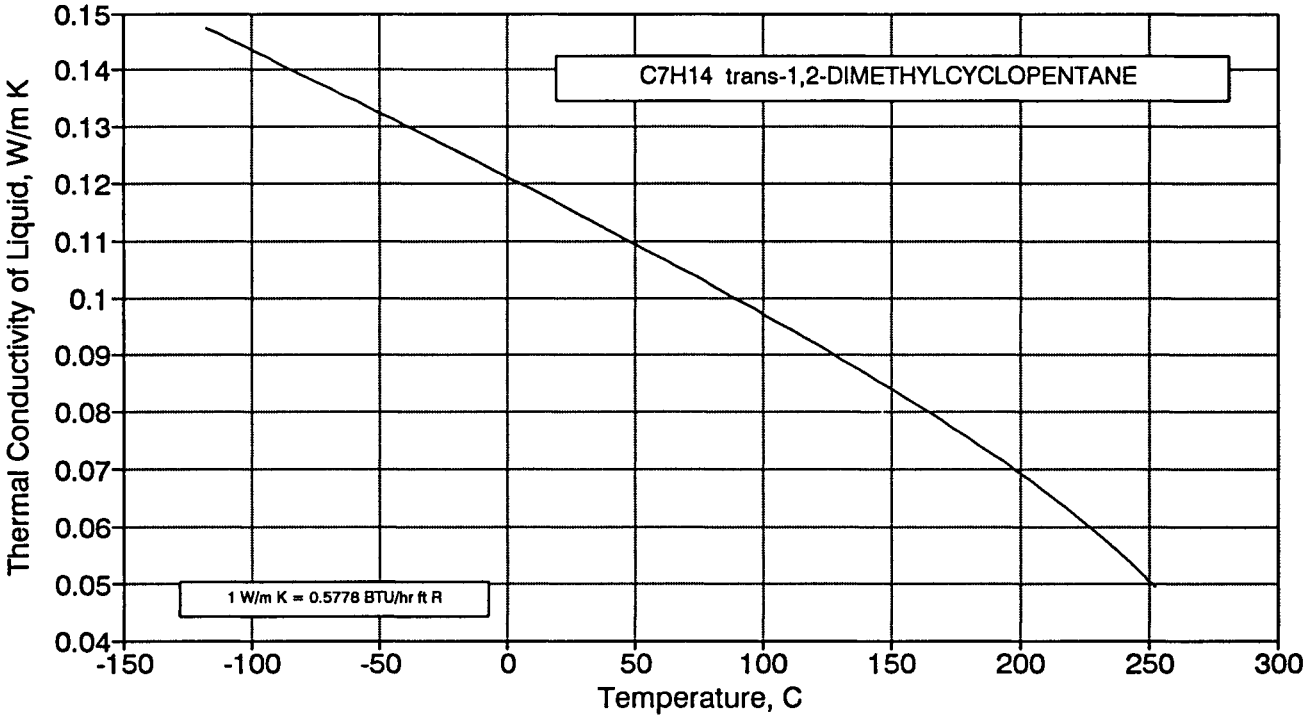

C7H14 1,1-DIMETHYLCYCLOPENTANE
Thermal Conductivity of Gas, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

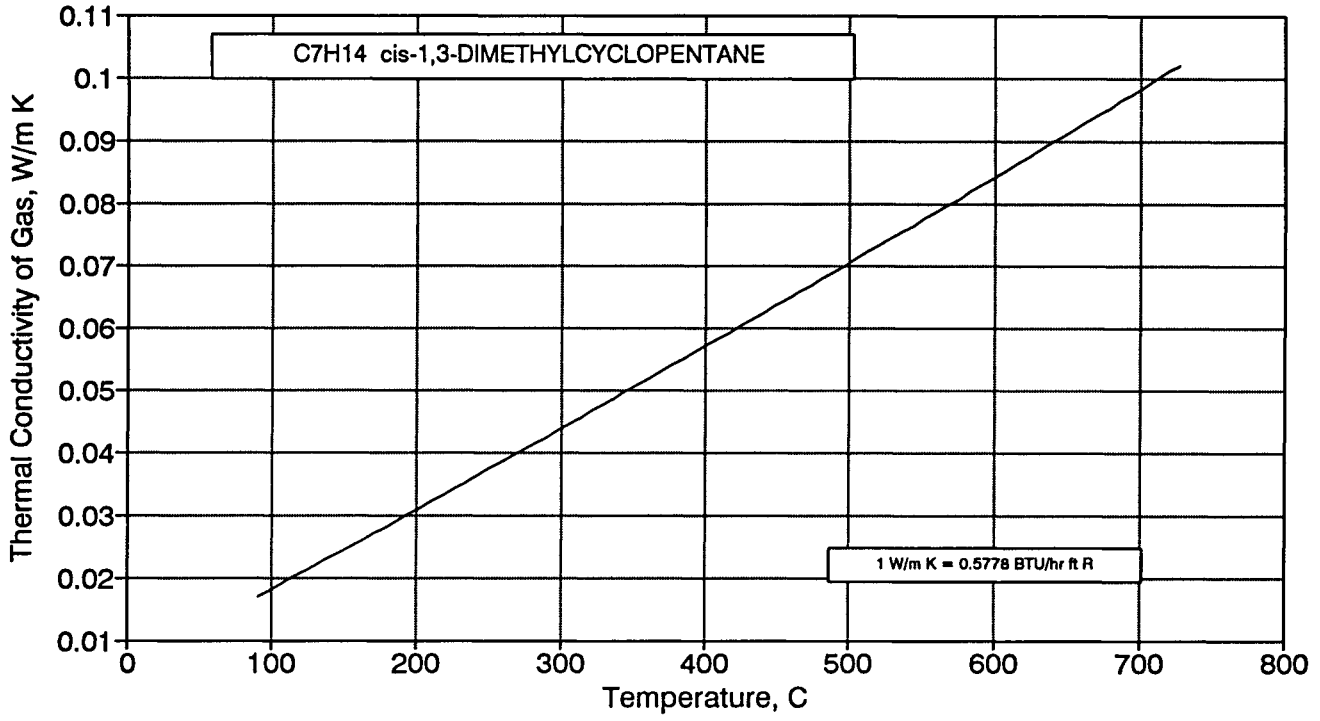

C7H14 1,1-DIMETHYLCYCLOPENTANE
Thermal Conductivity of Liquid, W/m K
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

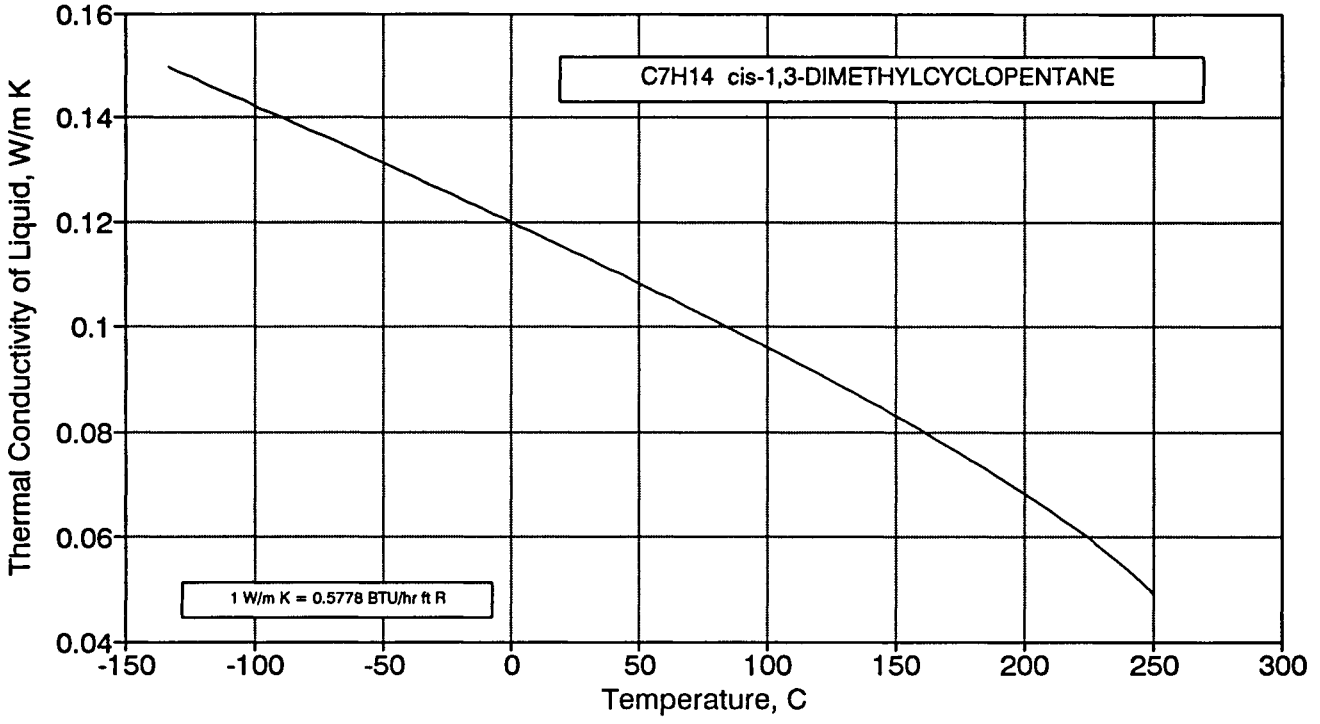

C7H14 cis-1,2-DIMETHYLCYCLOPENTANE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

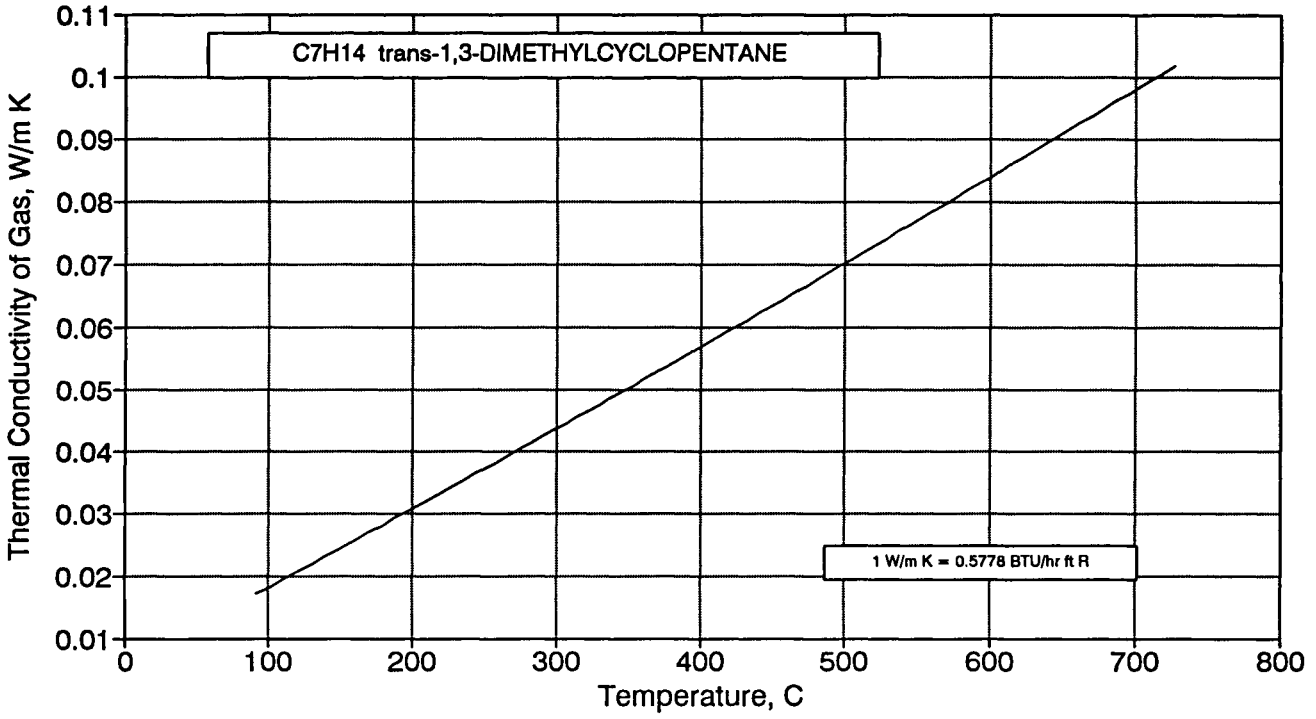

C7H14 cis-1,2-DIMETHYLCYCLOPENTANE
Thermal Conductivity of Liquid, W/m K
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

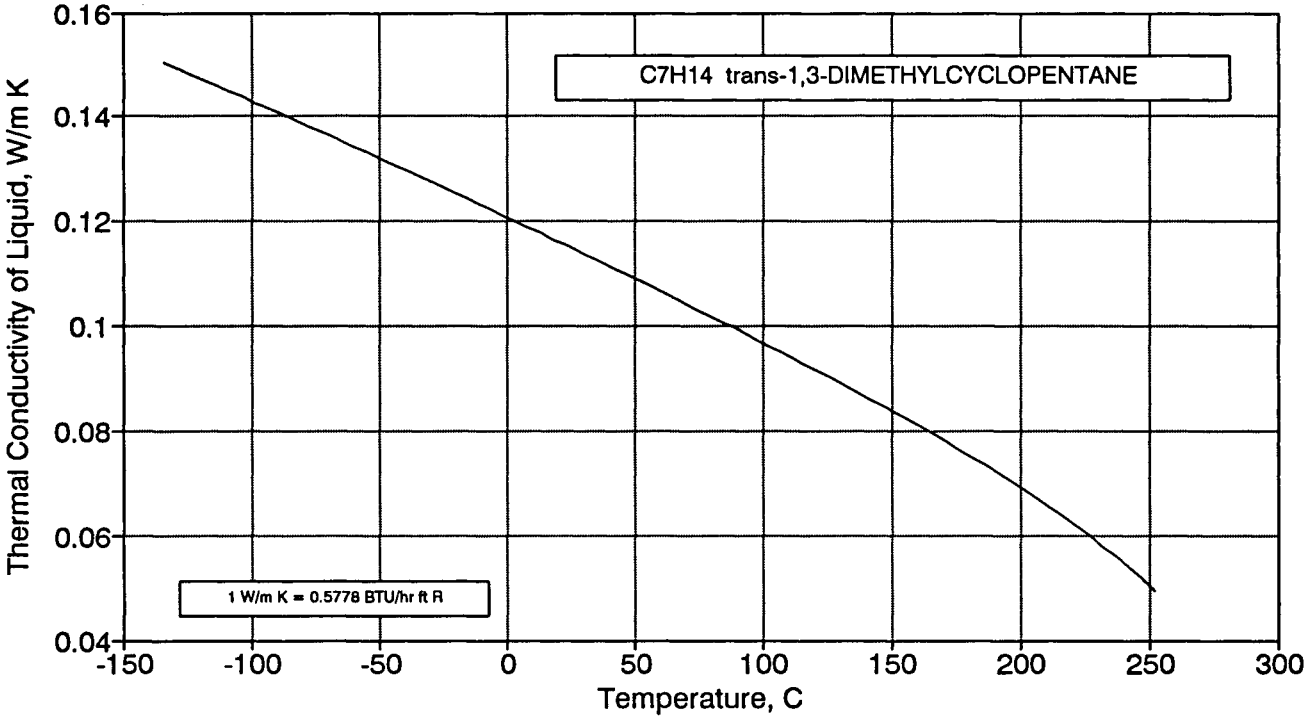

C7H14 trans-1,2-DIMETHYLCYCLOPENTANE
Thermal Conductivity of Gas, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

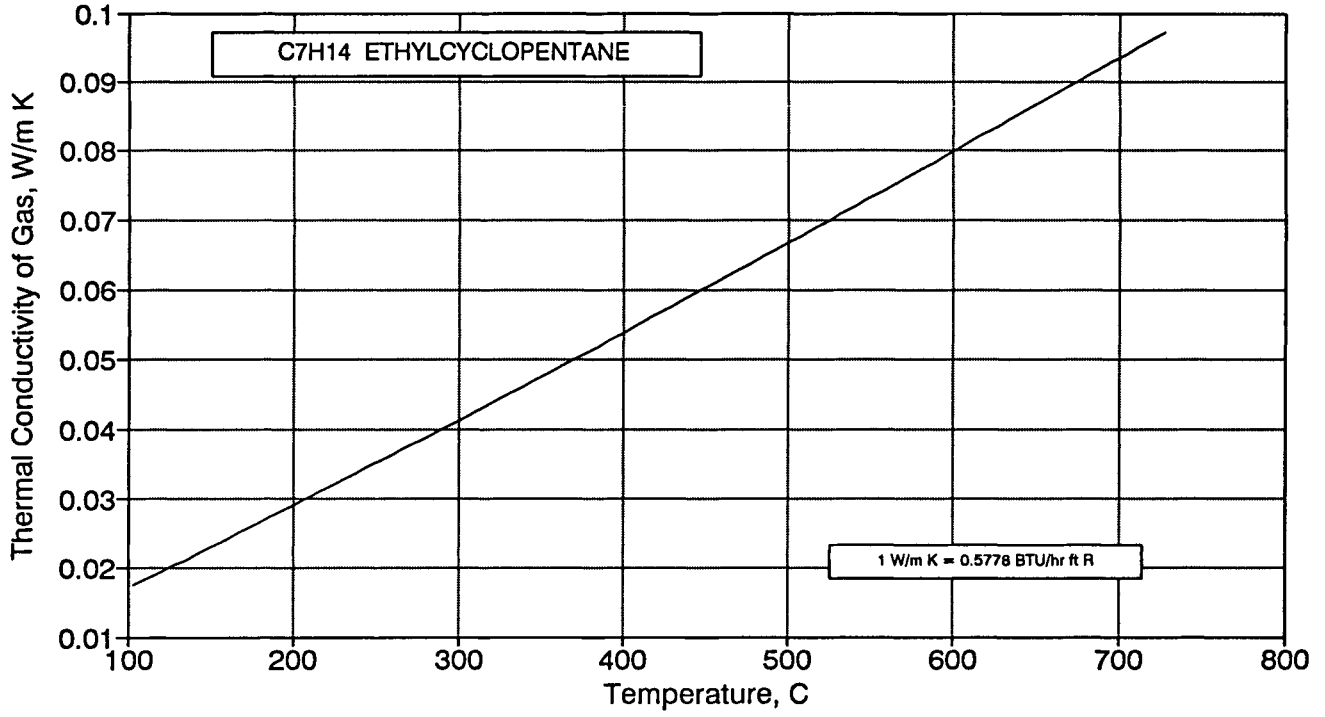

C7H14 trans-1,2-DIMETHYLCYCLOPENTANE
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-150
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

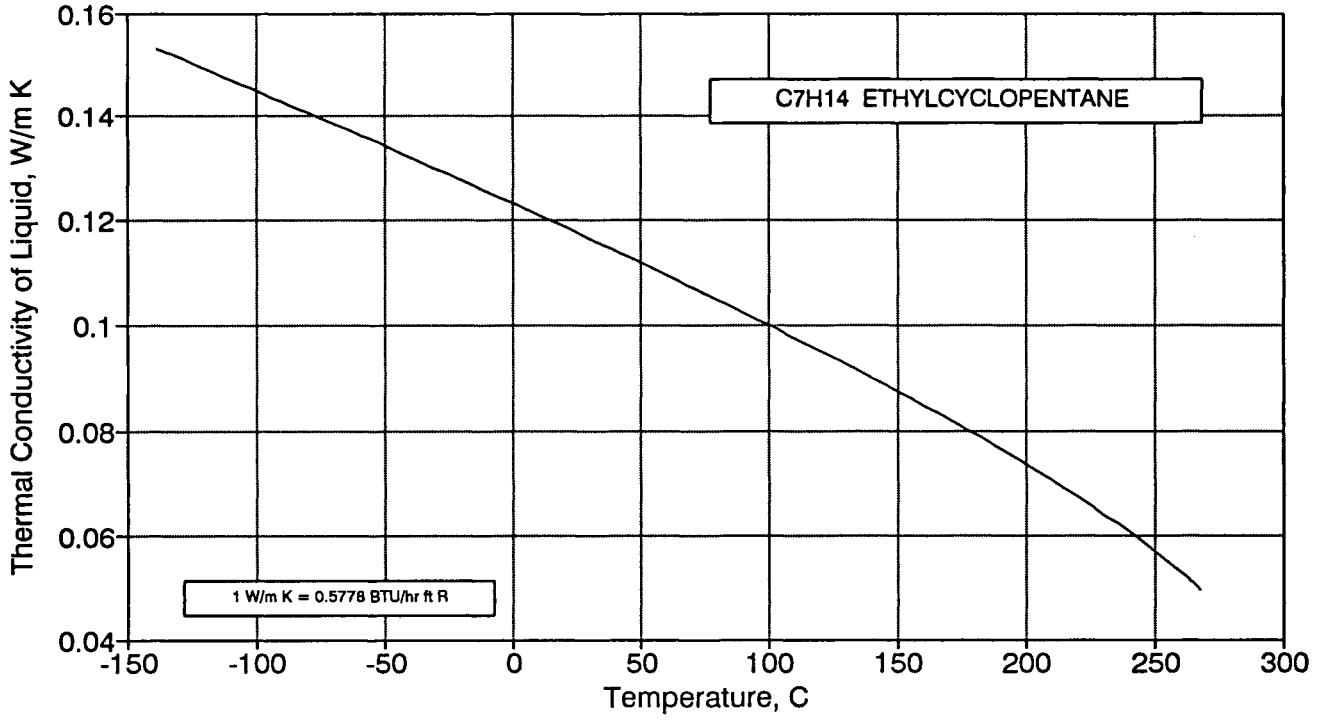

C7H14 cis-1,3-DIMETHYLCYCLOPENTANE
Thermal Conductivity of Gas, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

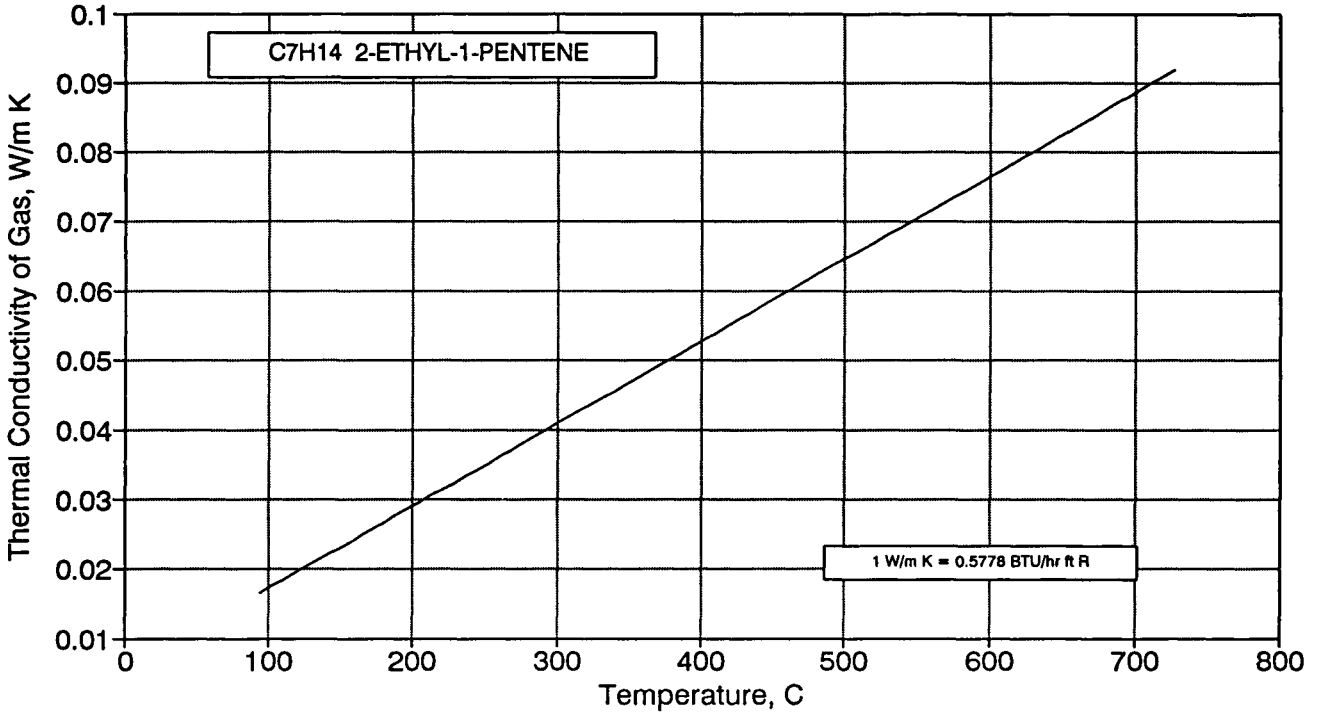

C7H14 cis-1,3-DIMETHYLCYCLOPENTANE
Thermal Conductivity of Liquid, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

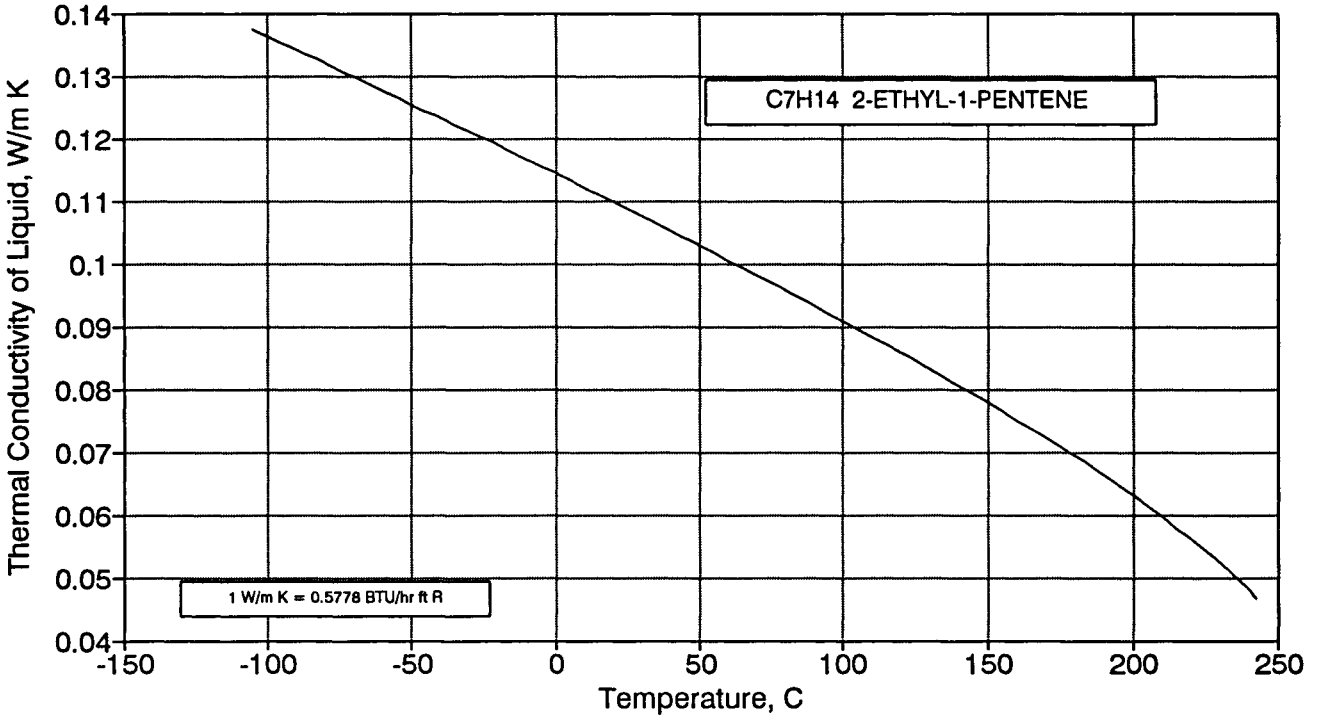

C7H14 trans-1,3-DIMETHYLCYCLOPENTANE
Thermal Conductivity of Gas, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

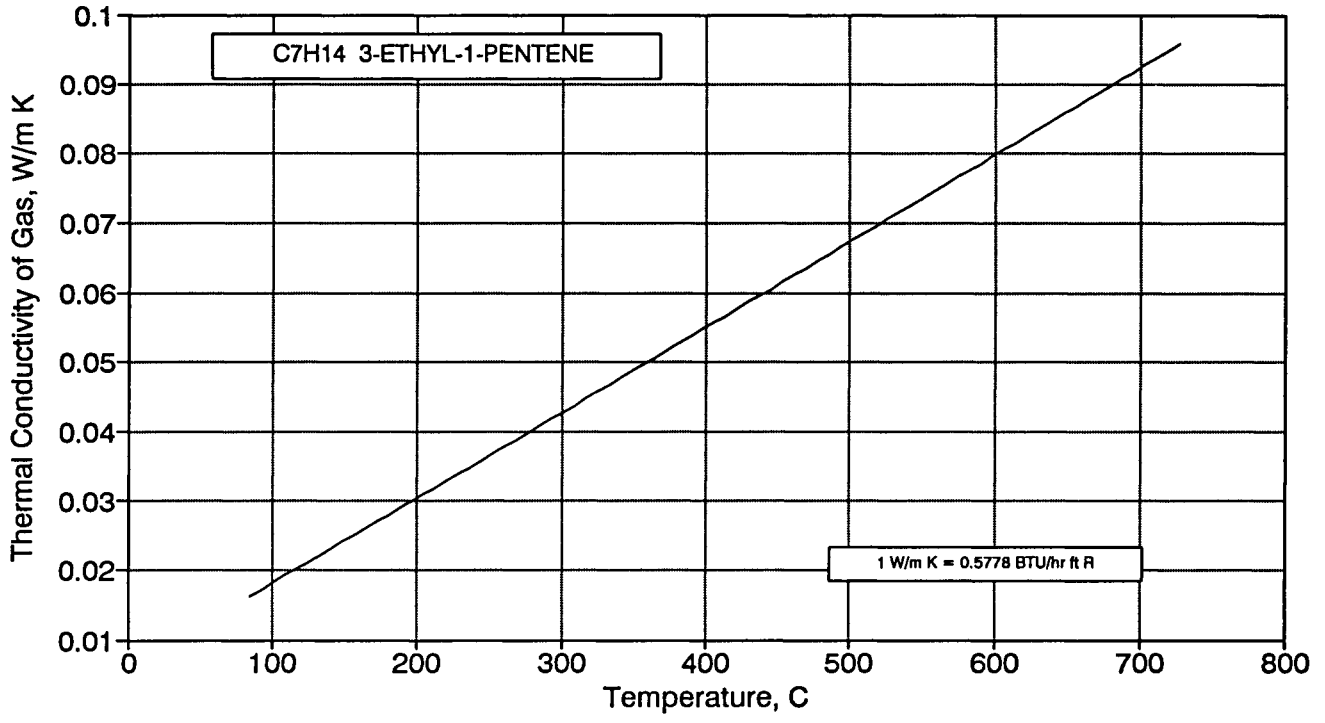

C7H14 trans-1,3-DIMETHYLCYCLOPENTANE
Thermal Conductivity of Liquid, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

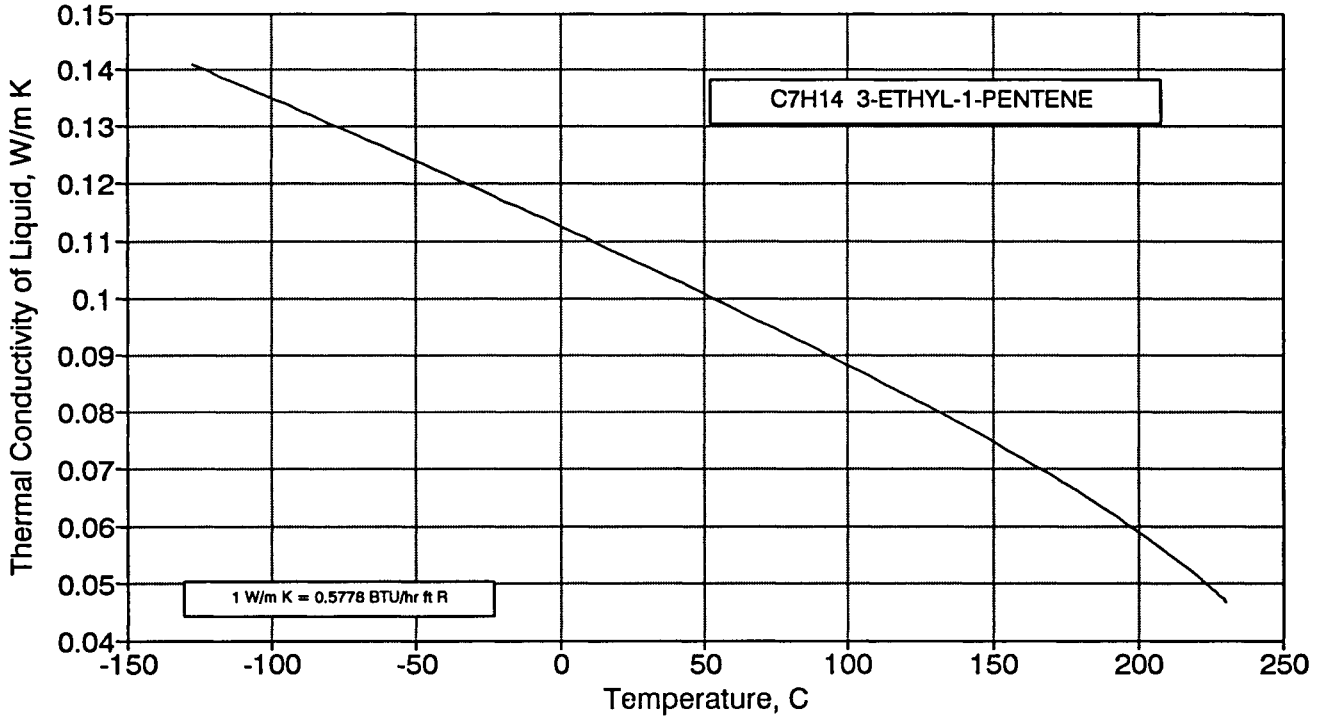

C7H14 ETHYLCYCLOPENTANE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

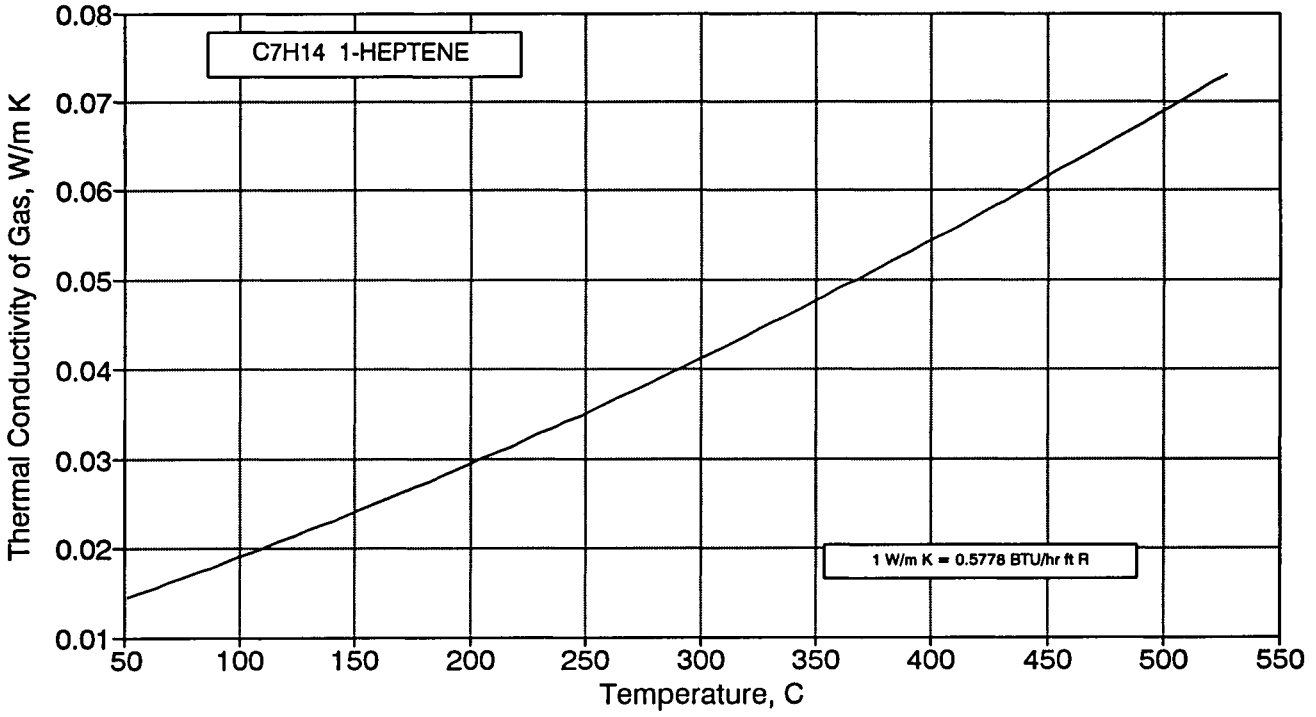

C7H14 ETHYLCYCLOPENTANE
Thermal Conductivity of Liquid, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

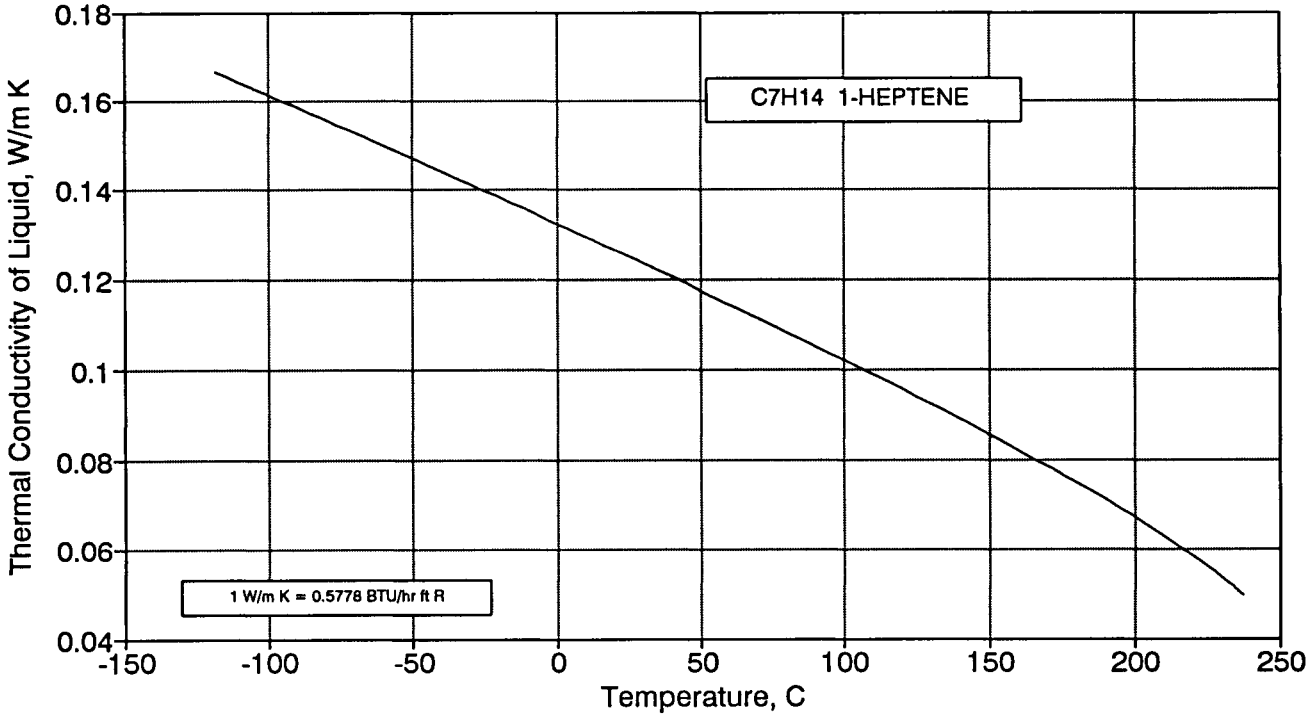

C7H14 2-ETHYL-1-PENTENE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

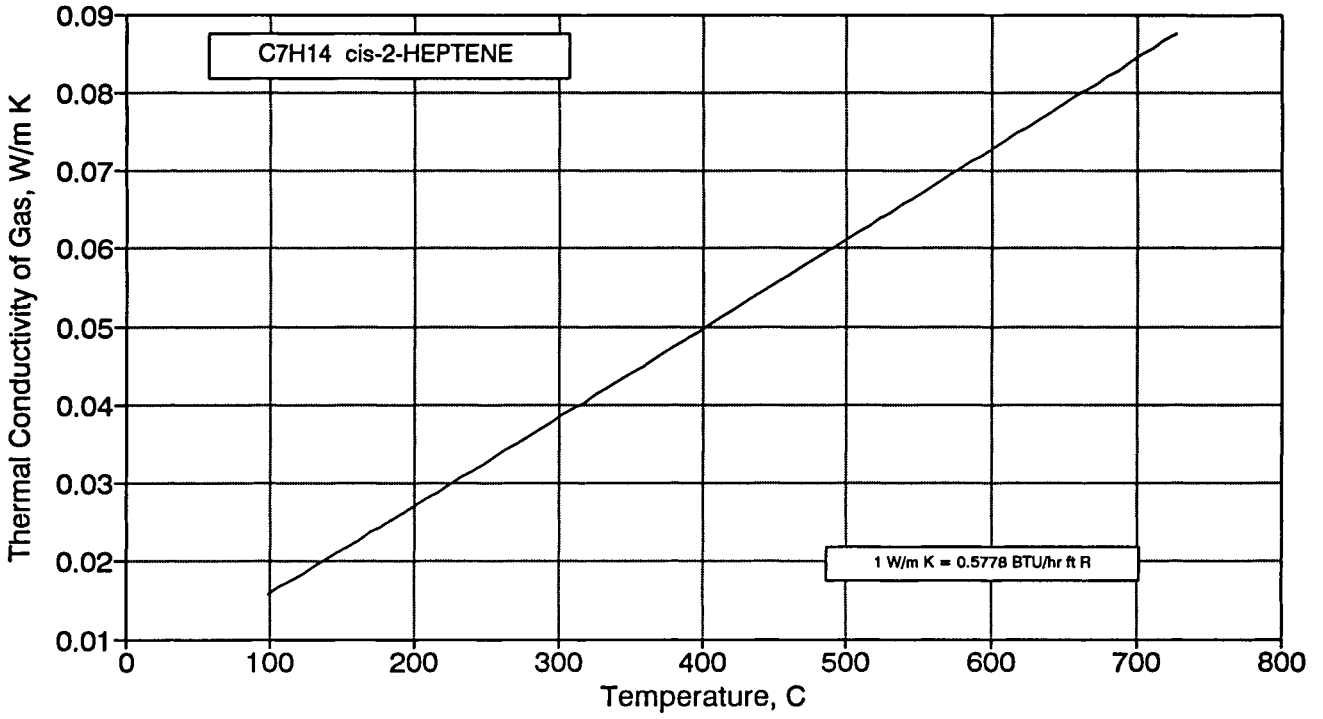

C7H14 2-ETHYL-1-PENTENE
Thermal Conductivity of Liquid, W/m K
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

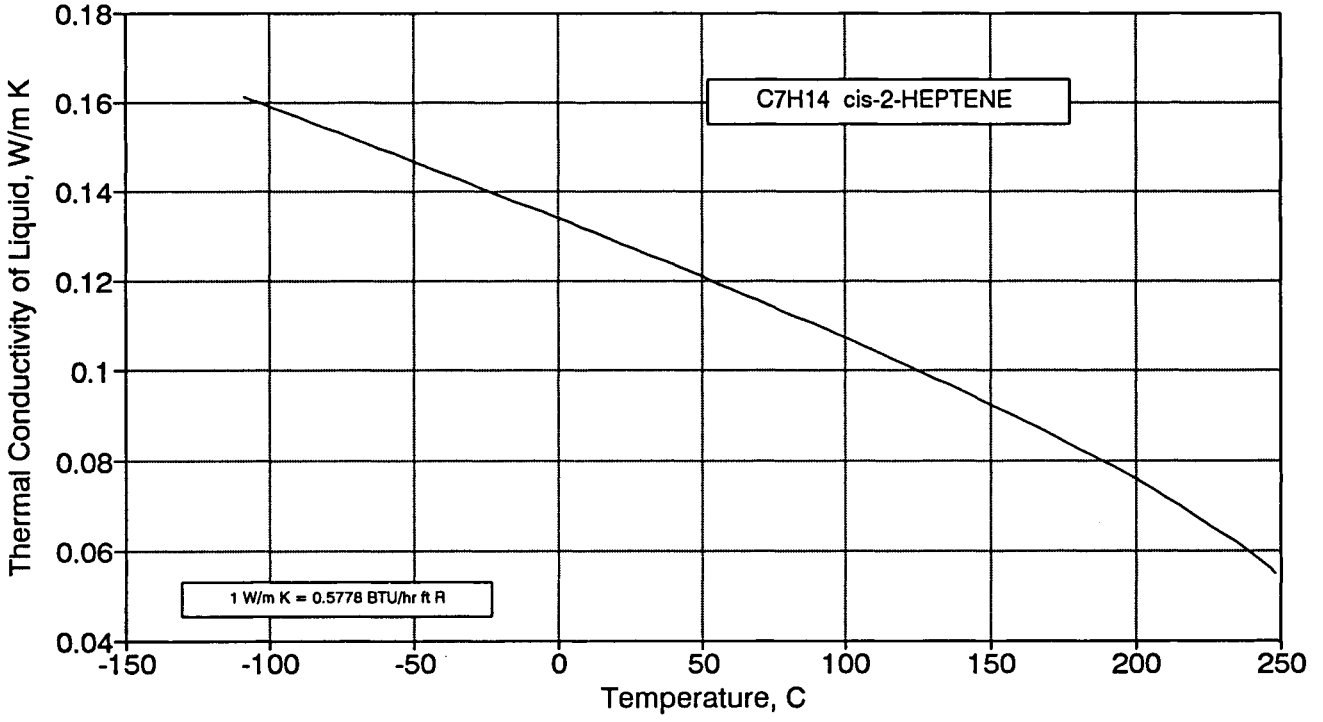

C7H14 3-ETHYL-1-PENTENE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

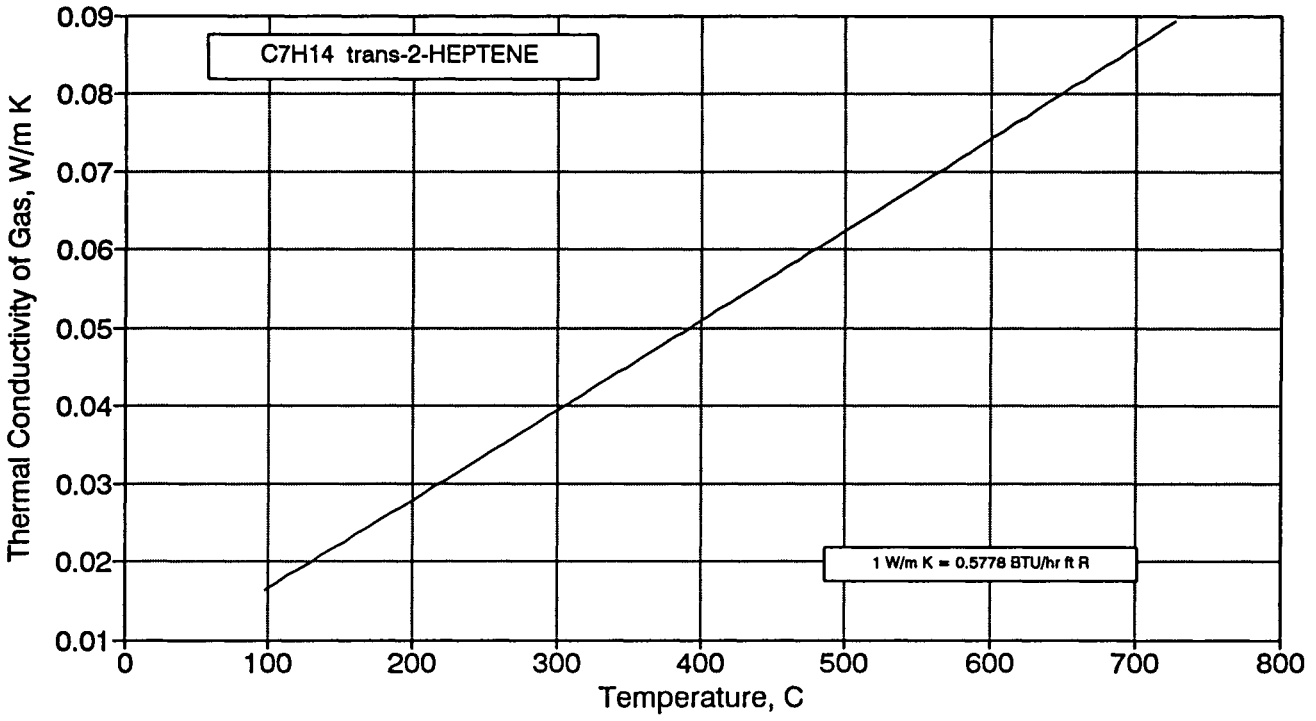

C7H14 3-ETHYL-1-PENTENE
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

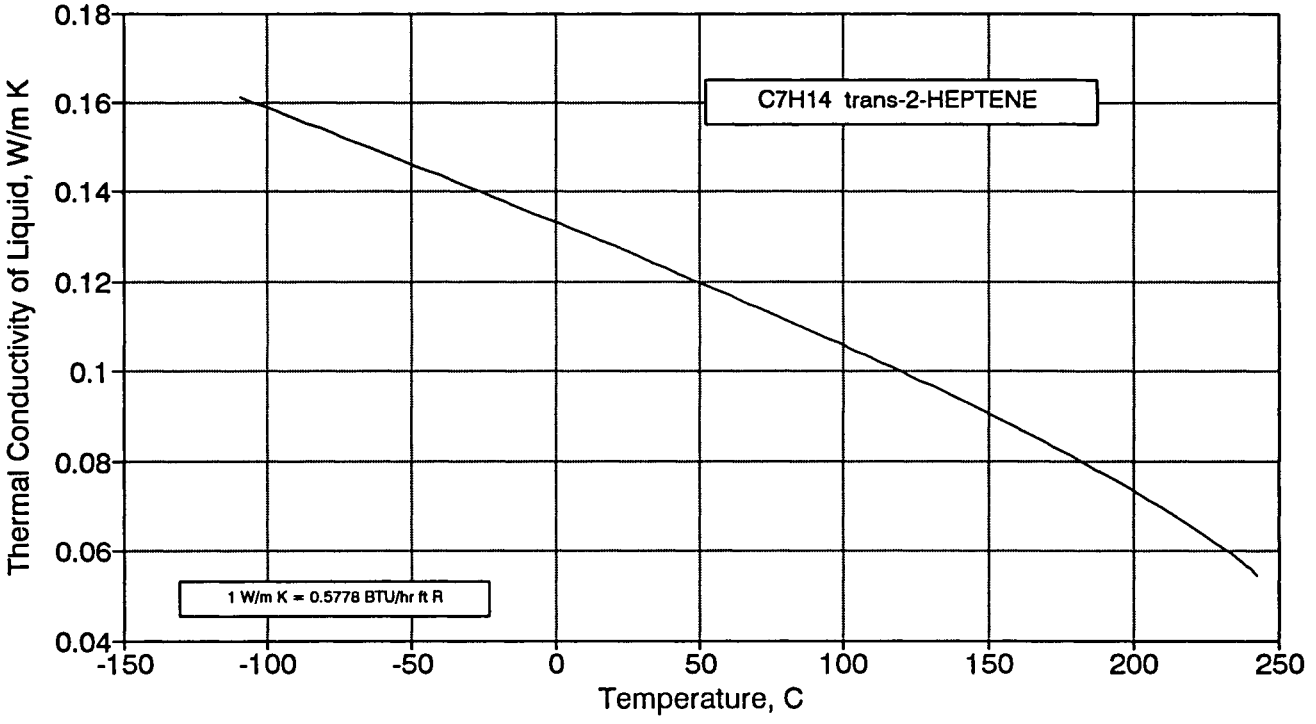

C7H14 1-HEPTENE
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
50
100
150
200
250
300
350
400
450
500
550
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

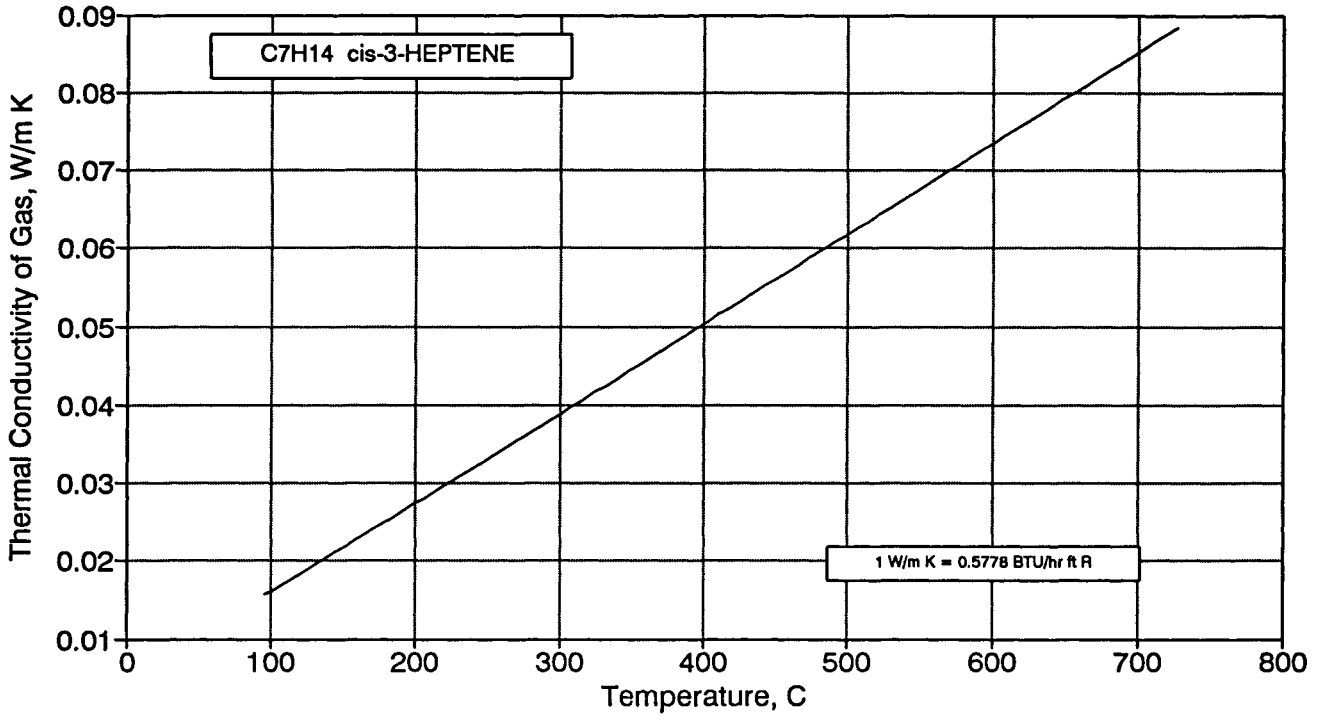

C7H14 1-HEPTENE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

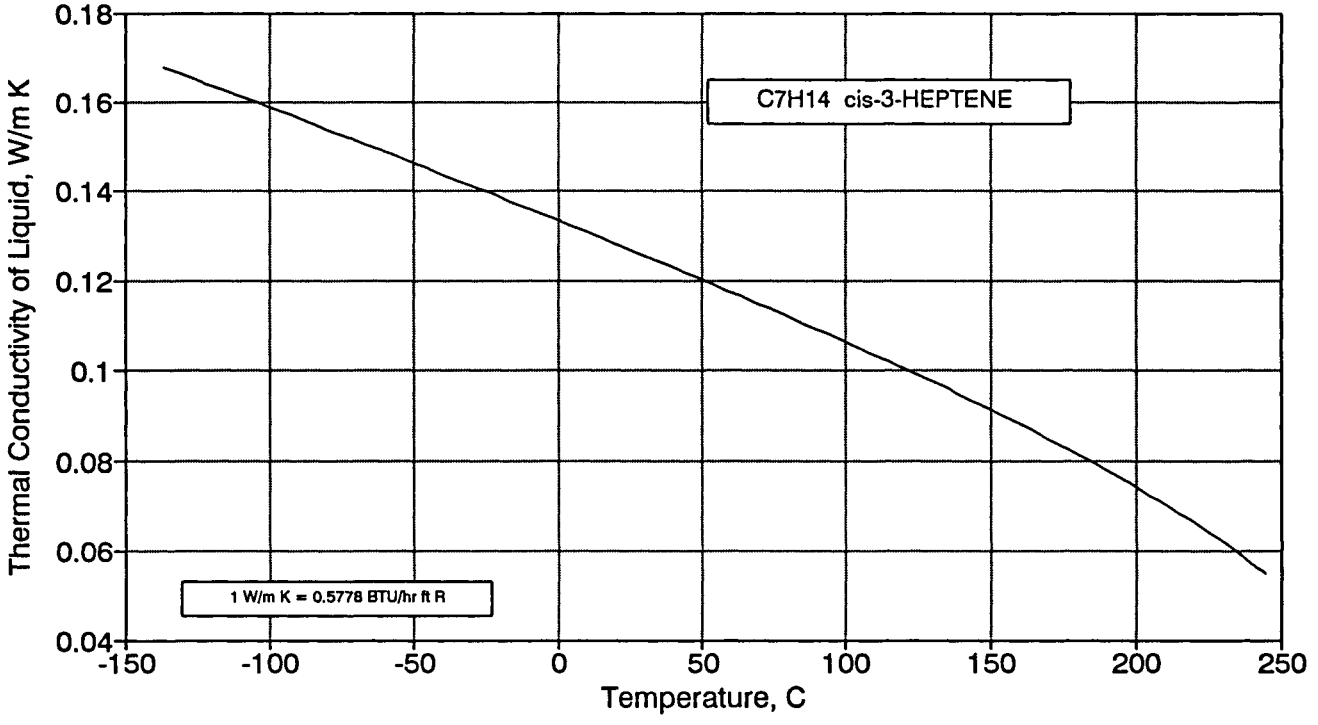

C7H14 cis-2-HEPTENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800

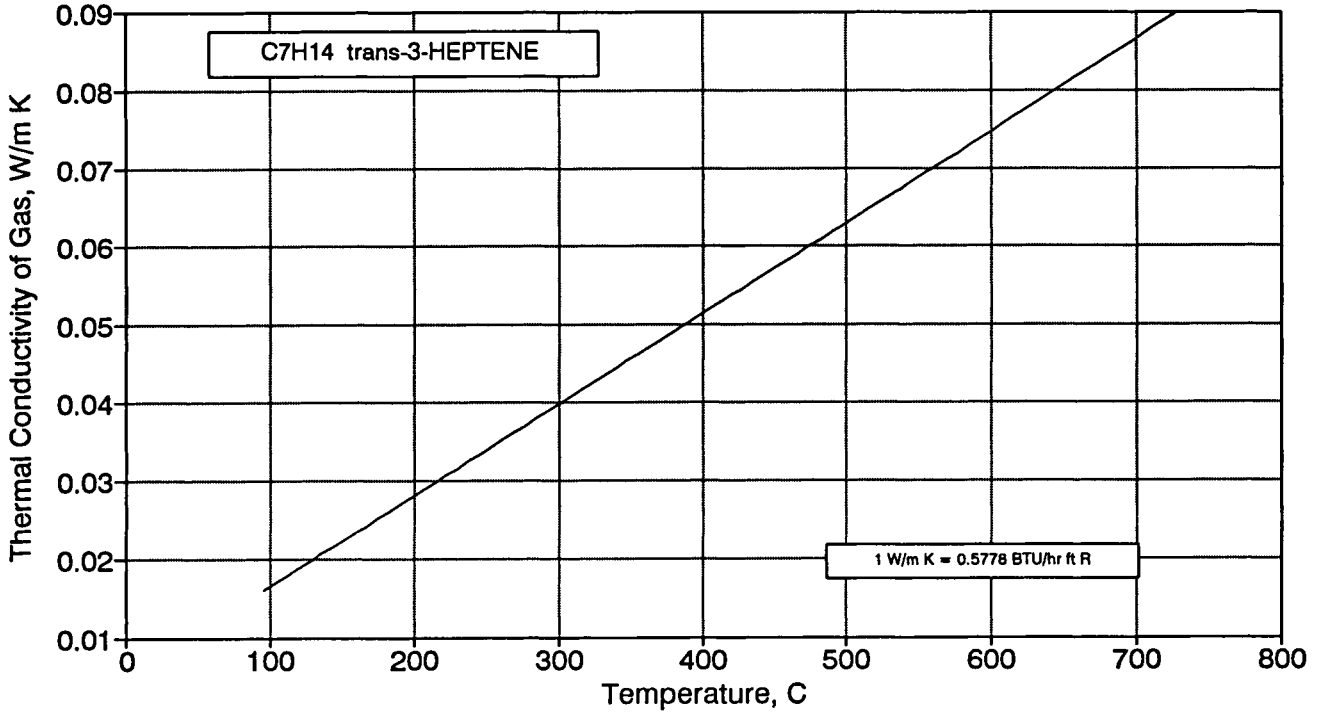

C7H14 cis-2-HEPTENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250

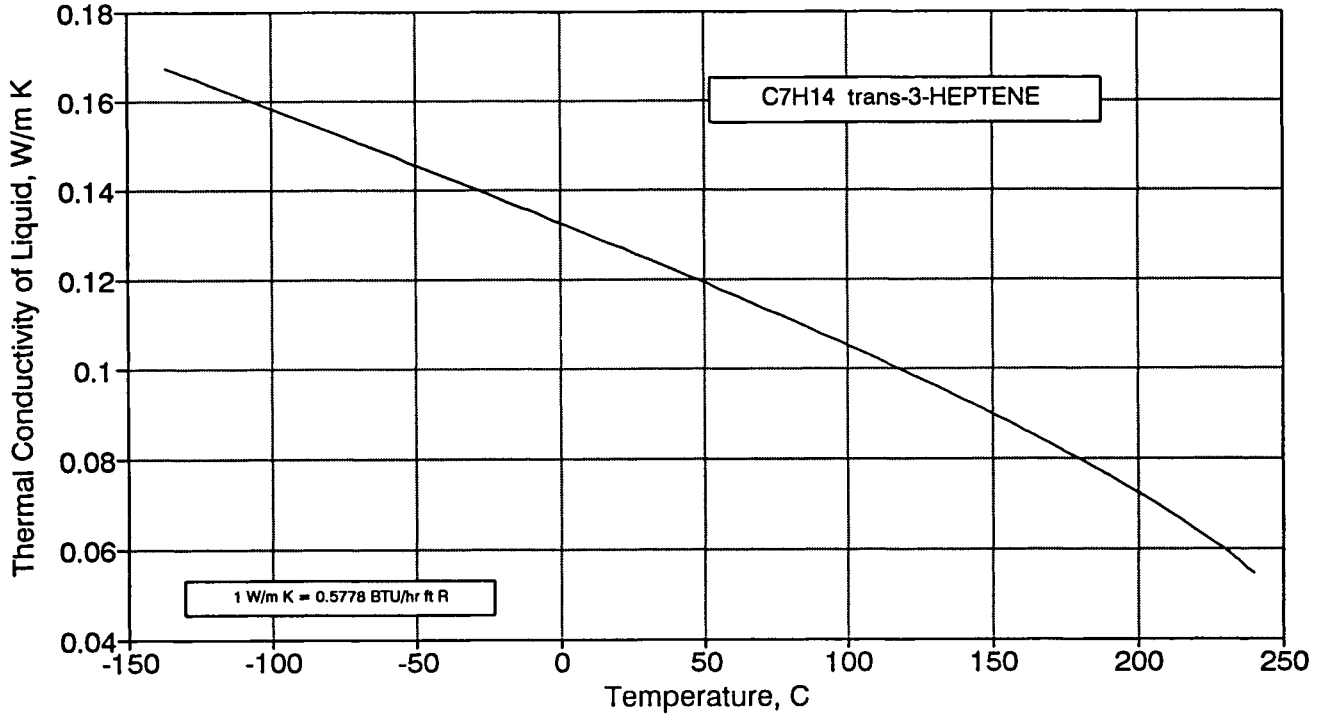

C7H14 trans-2-HEPTENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C

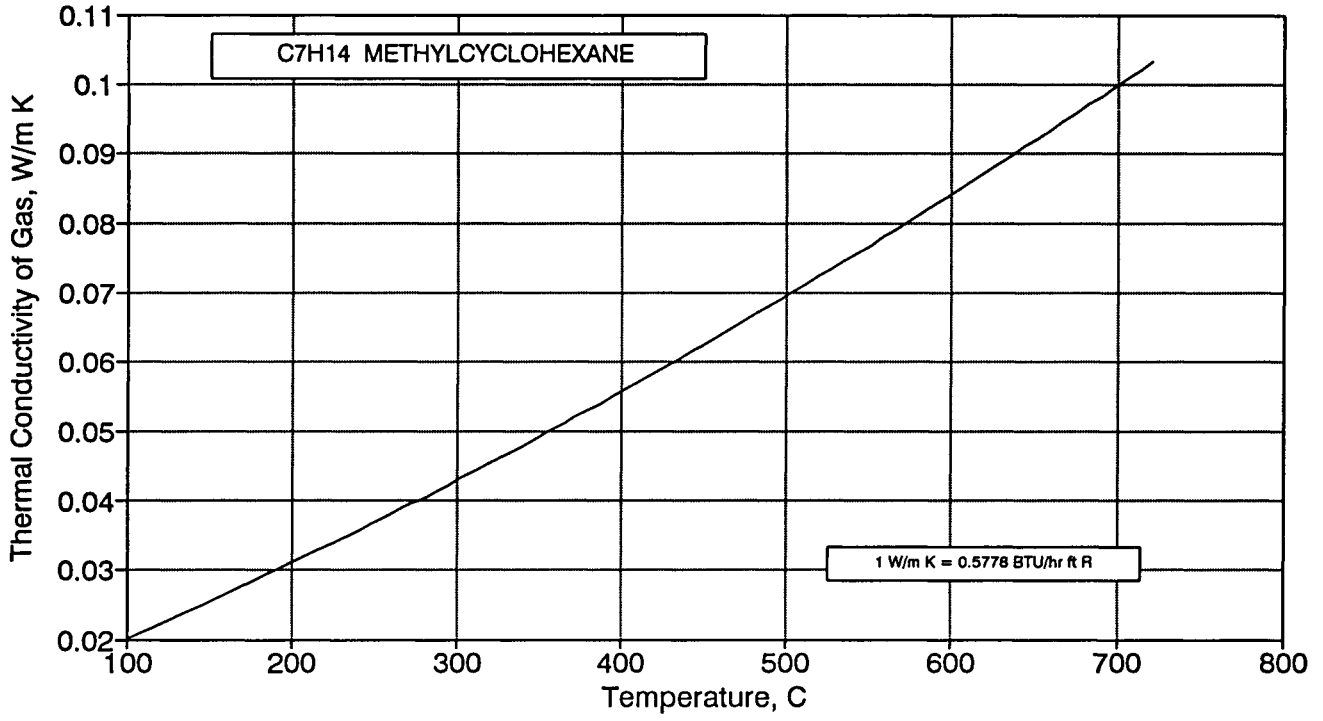

C7H14 trans-2-HEPTENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C

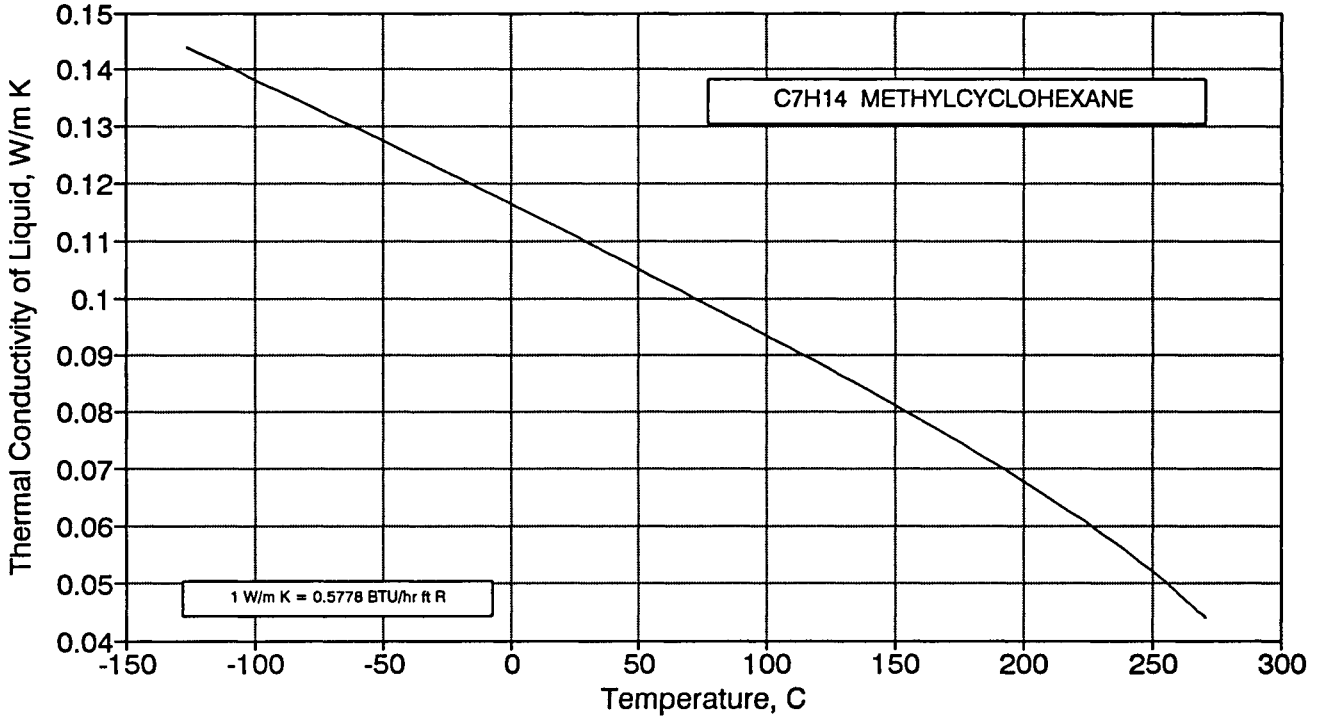

C7H14 cis-3-HEPTENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C

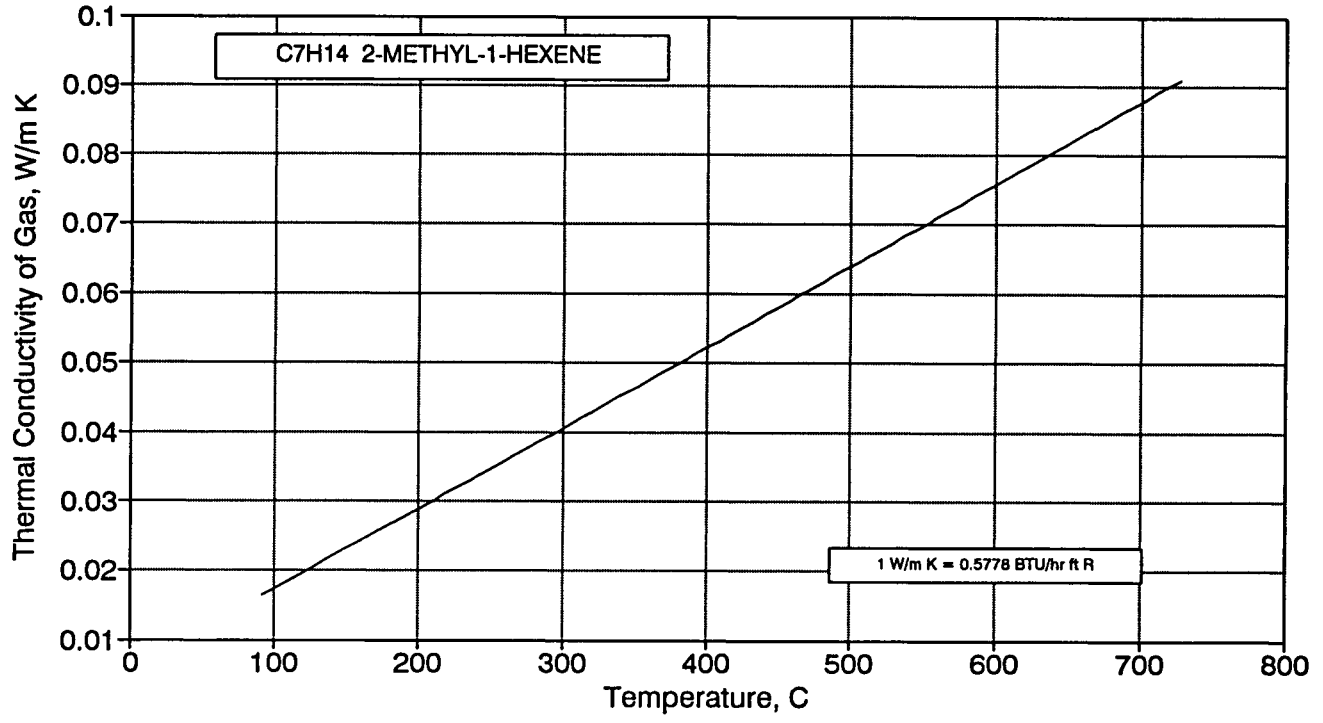

C7H14 cis-3-HEPTENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C

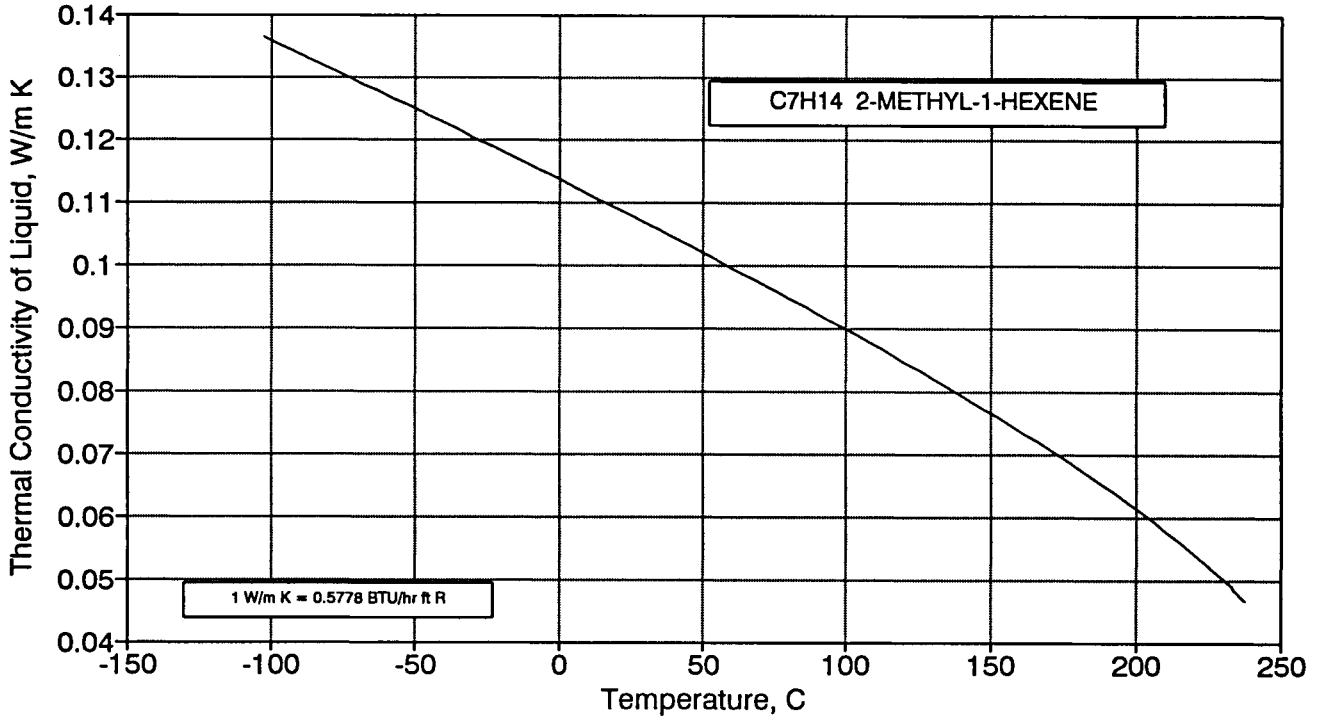

C7H14 trans-3-HEPTENE
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

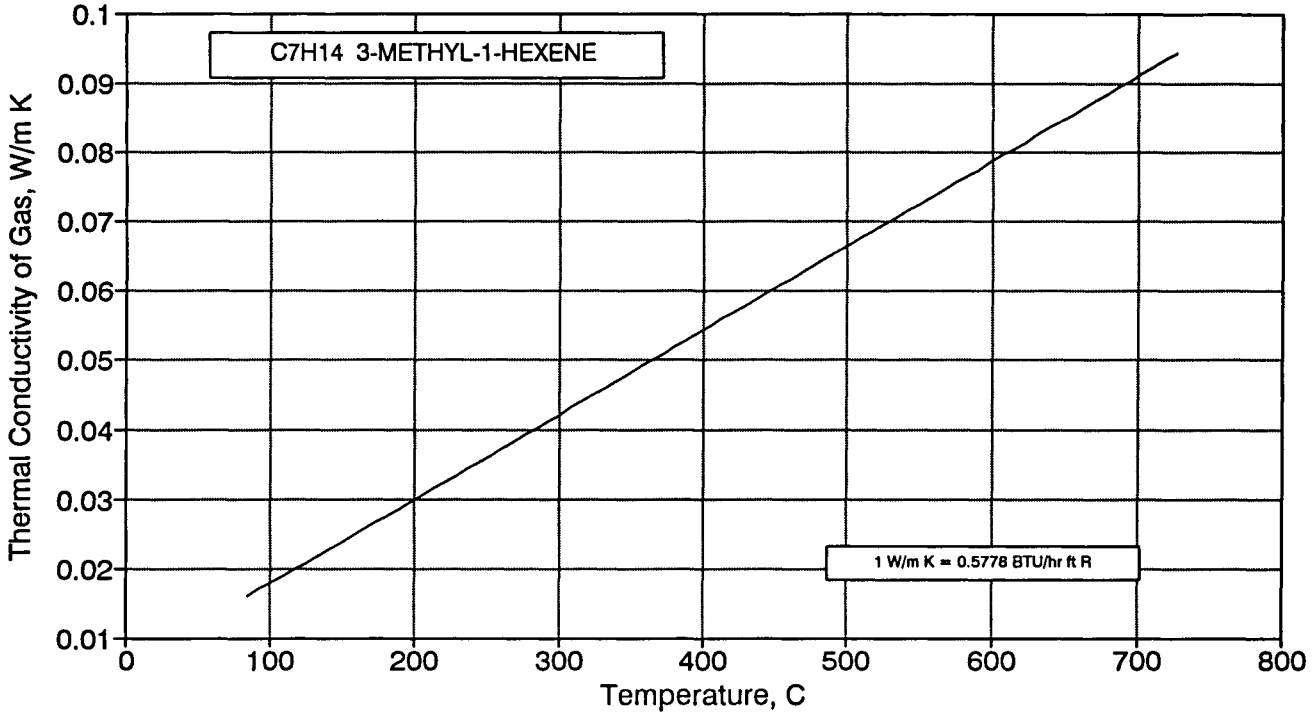

C7H14 trans-3-HEPTENE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

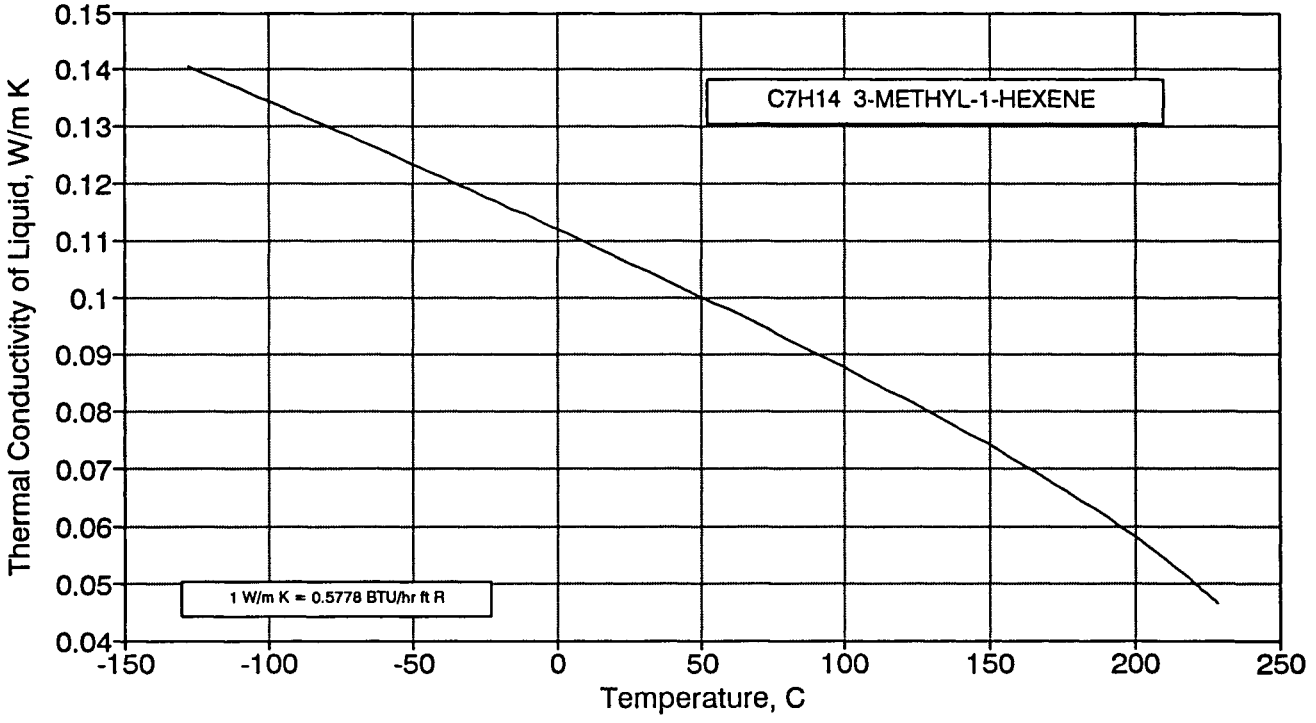

C7H14 METHYLCYCLOHEXANE
Thermal Conductivity of Gas, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

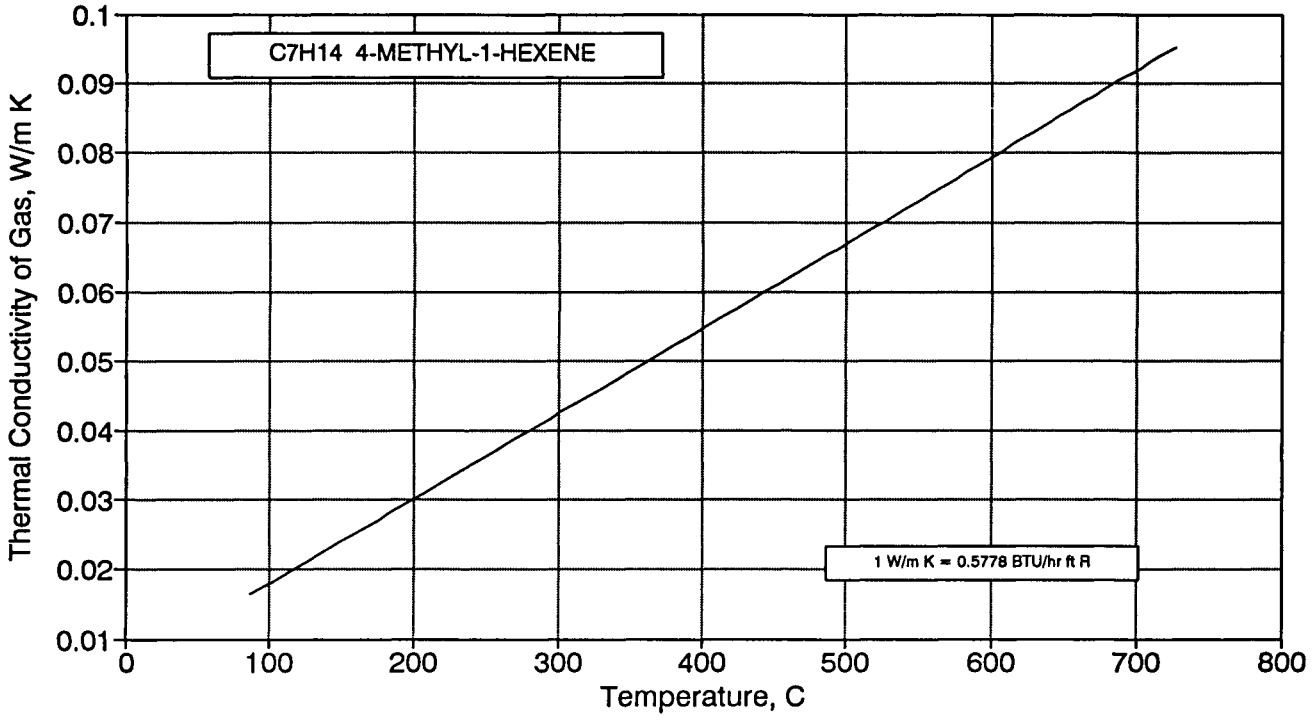

C7H14 METHYLCYCLOHEXANE
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-150
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

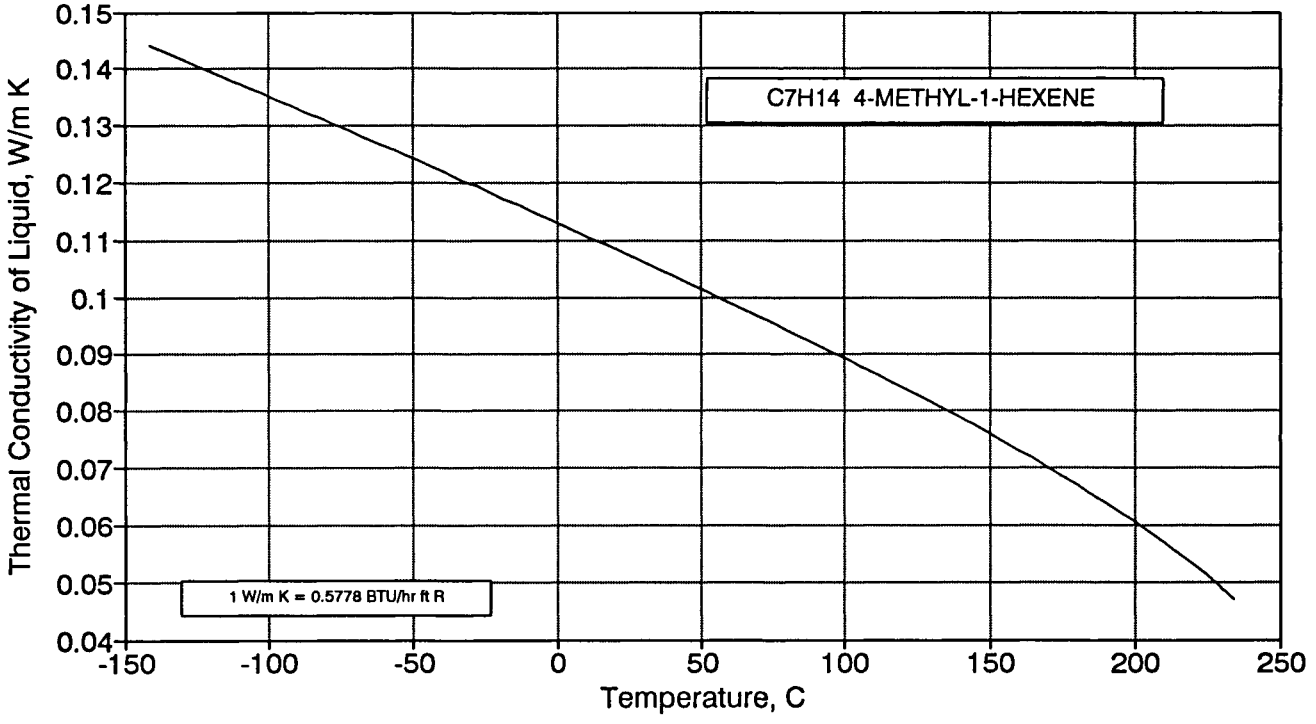

C7H14 2-METHYL-1-HEXENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800

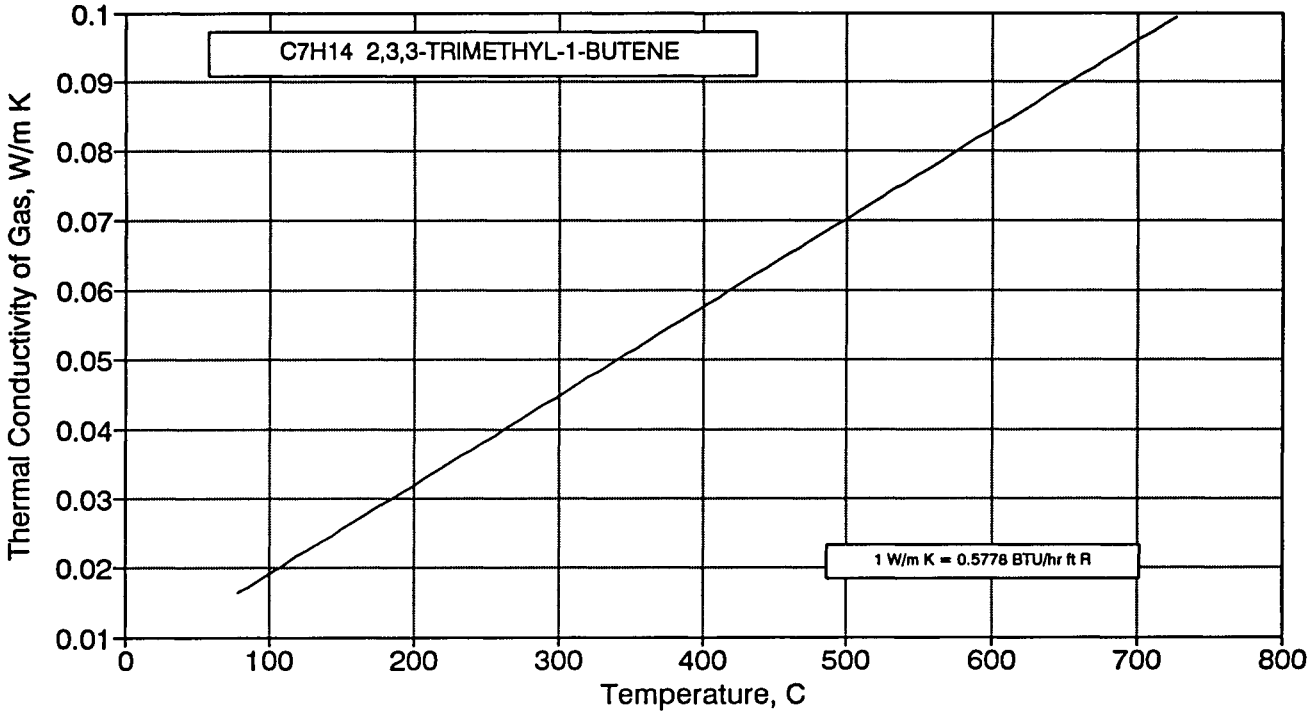

C7H14 2-METHYL-1-HEXENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-150
-100
-50
0
50
100
150
200
250

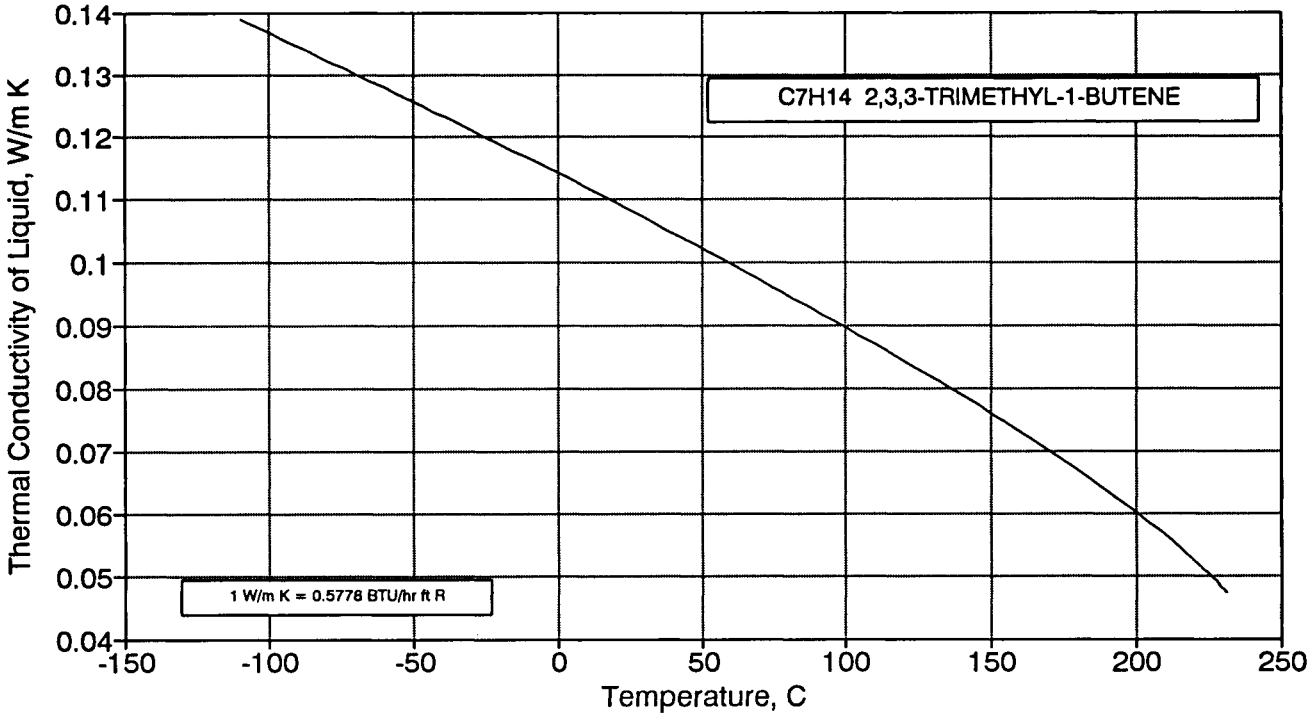

C7H14 3-METHYL-1-HEXENE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

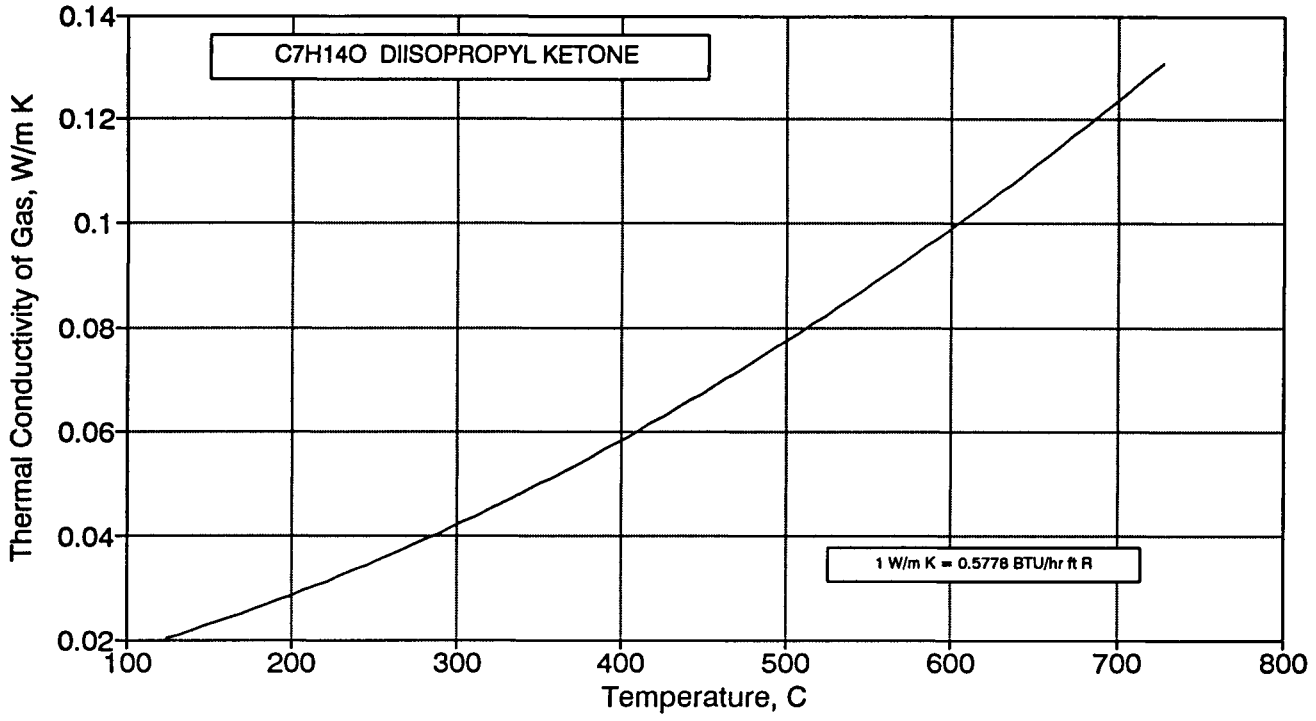

C7H14 3-METHYL-1-HEXENE
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

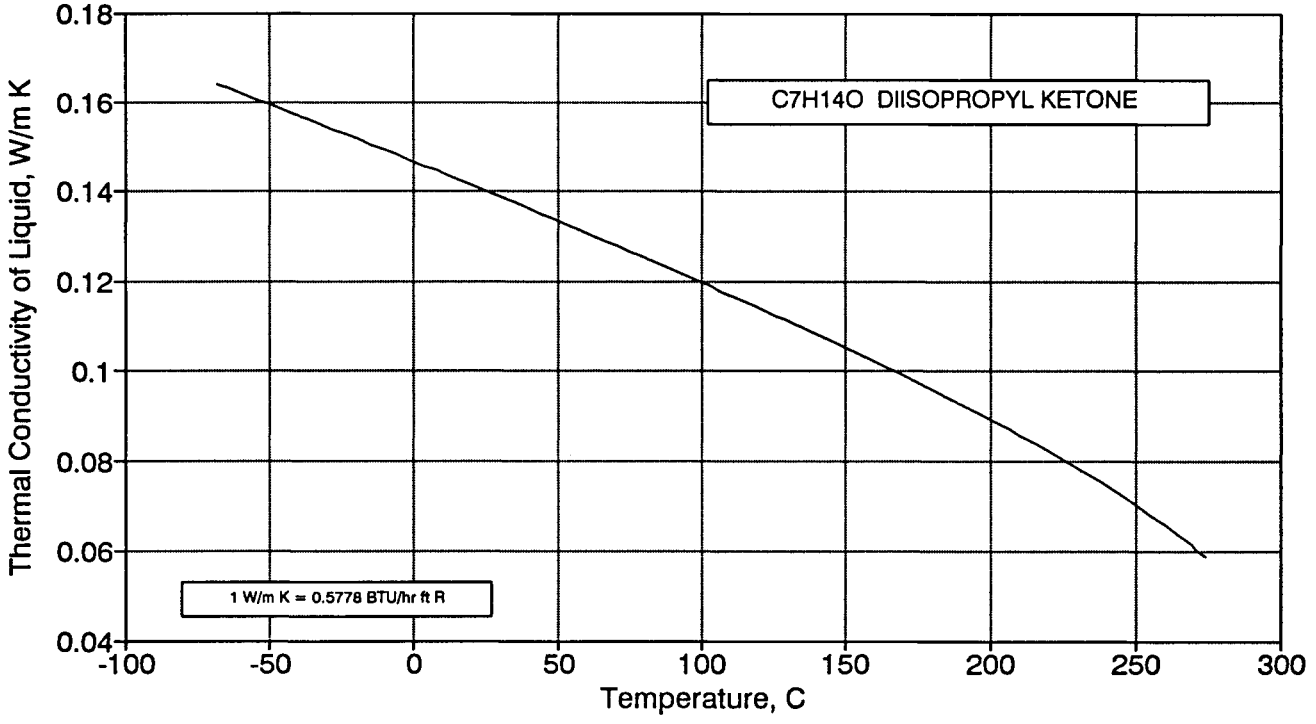

C7H14 4-METHYL-1-HEXENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800

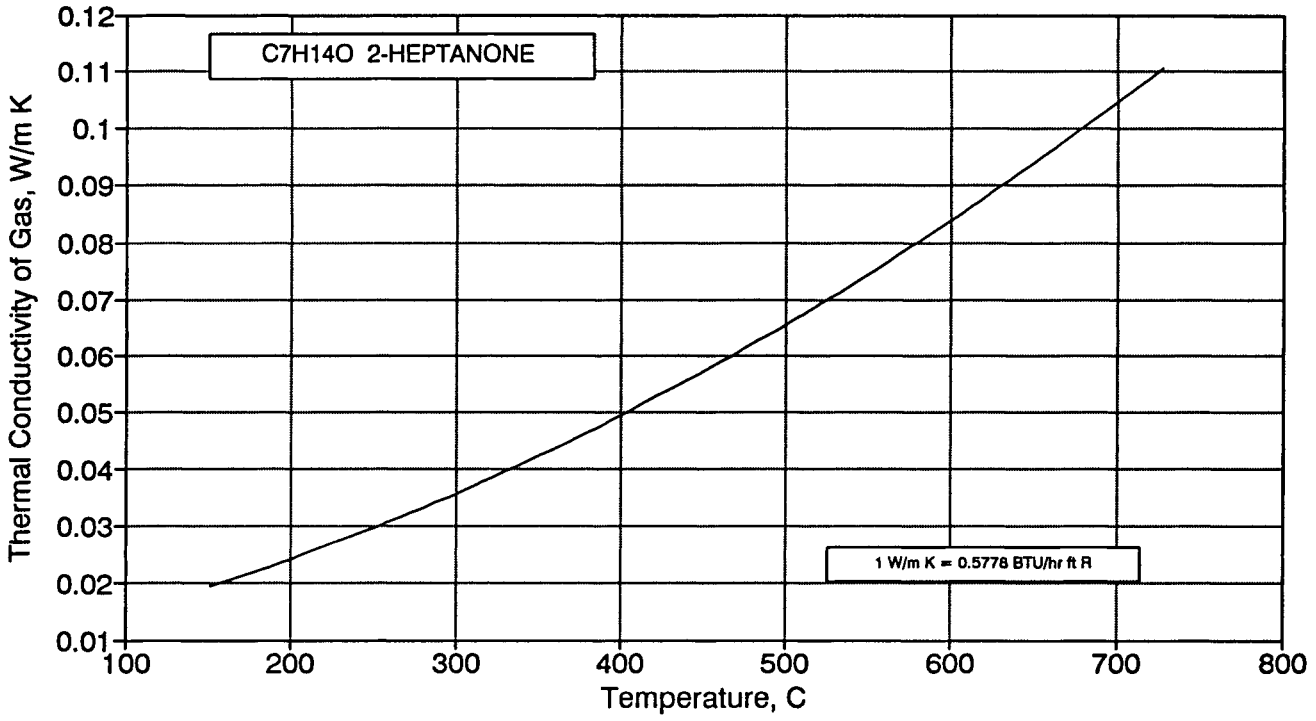

C7H14 4-METHYL-1-HEXENE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-150
-100
-50
0
50
100
150
200
250

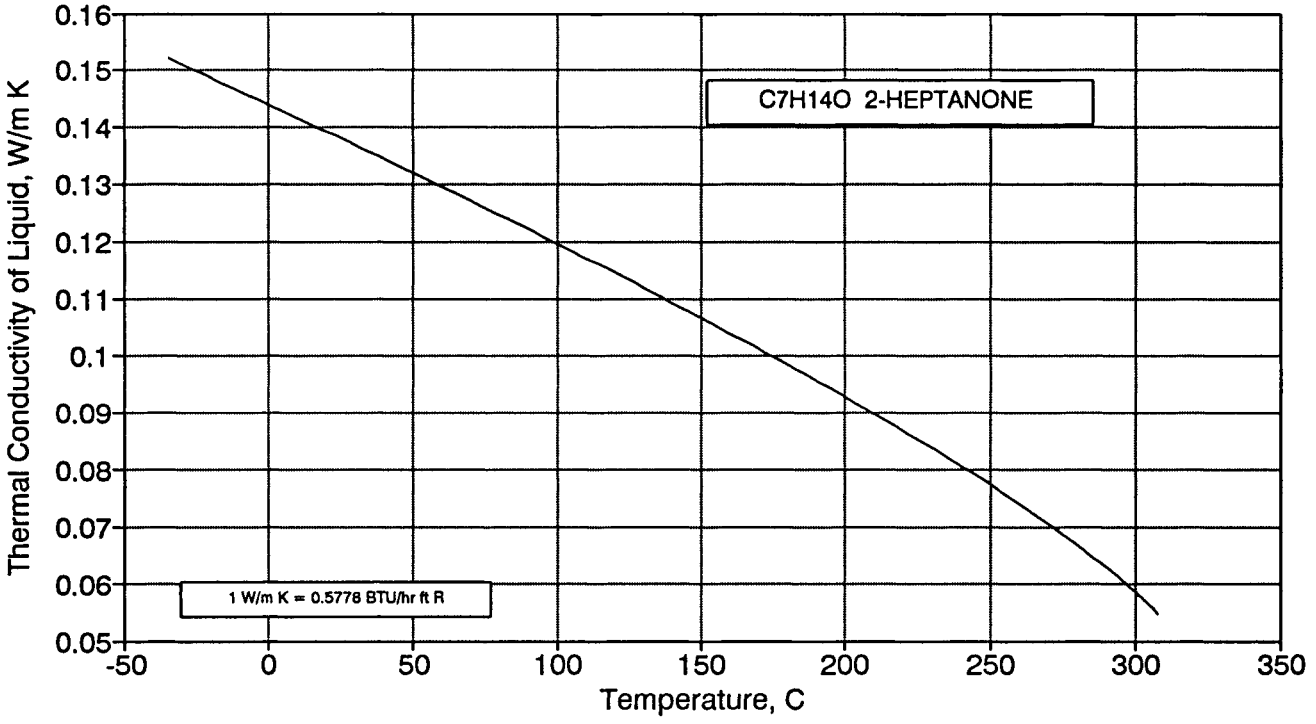

C7H14 2,3,3-TRIMETHYL-1-BUTENE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

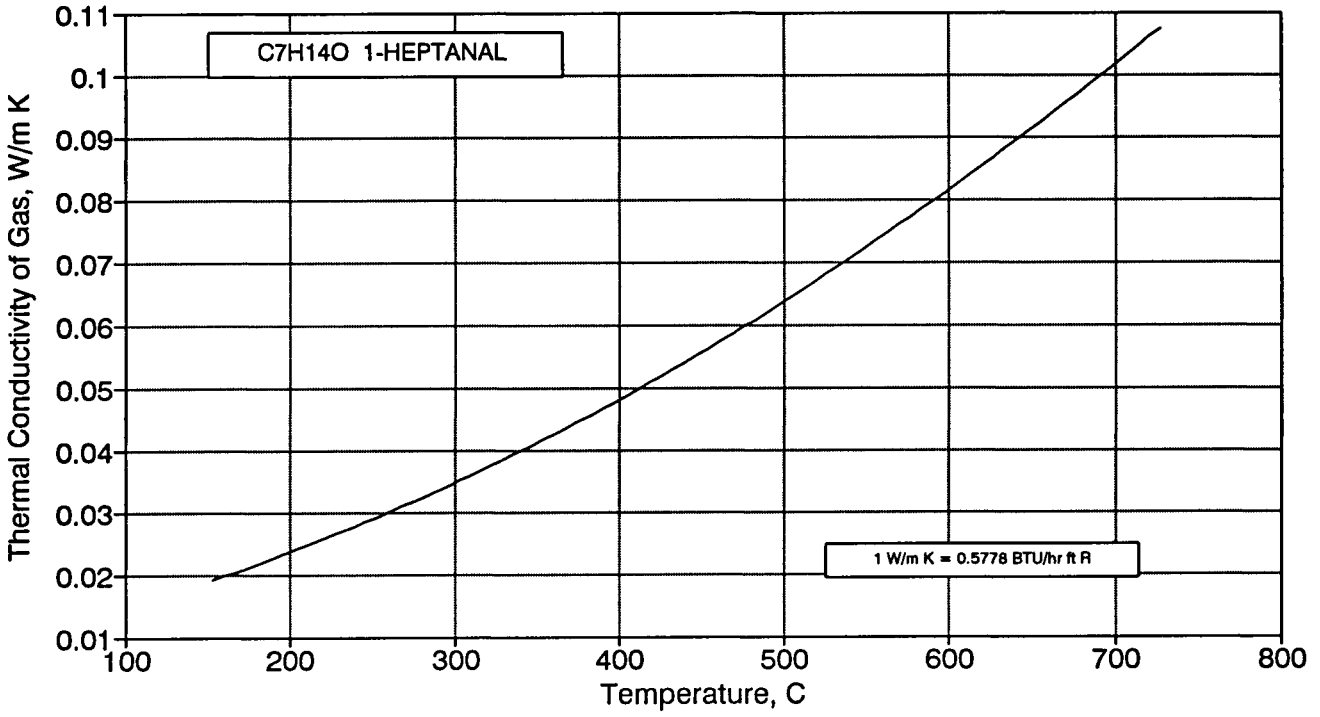

C7H14 2,3,3-TRIMETHYL-1-BUTENE
Thermal Conductivity of Liquid, W/m K
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

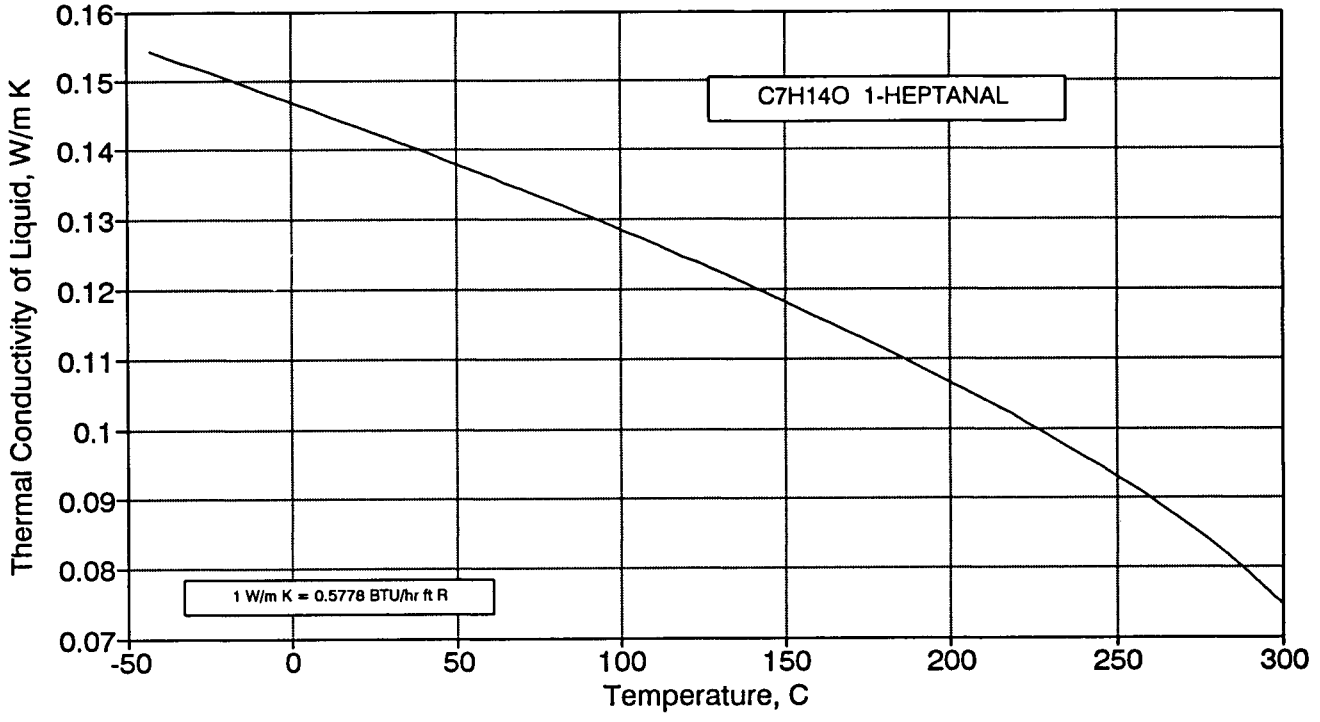

C7H14O DIISOPROPYL KETONE
Thermal Conductivity of Gas, W/m K
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

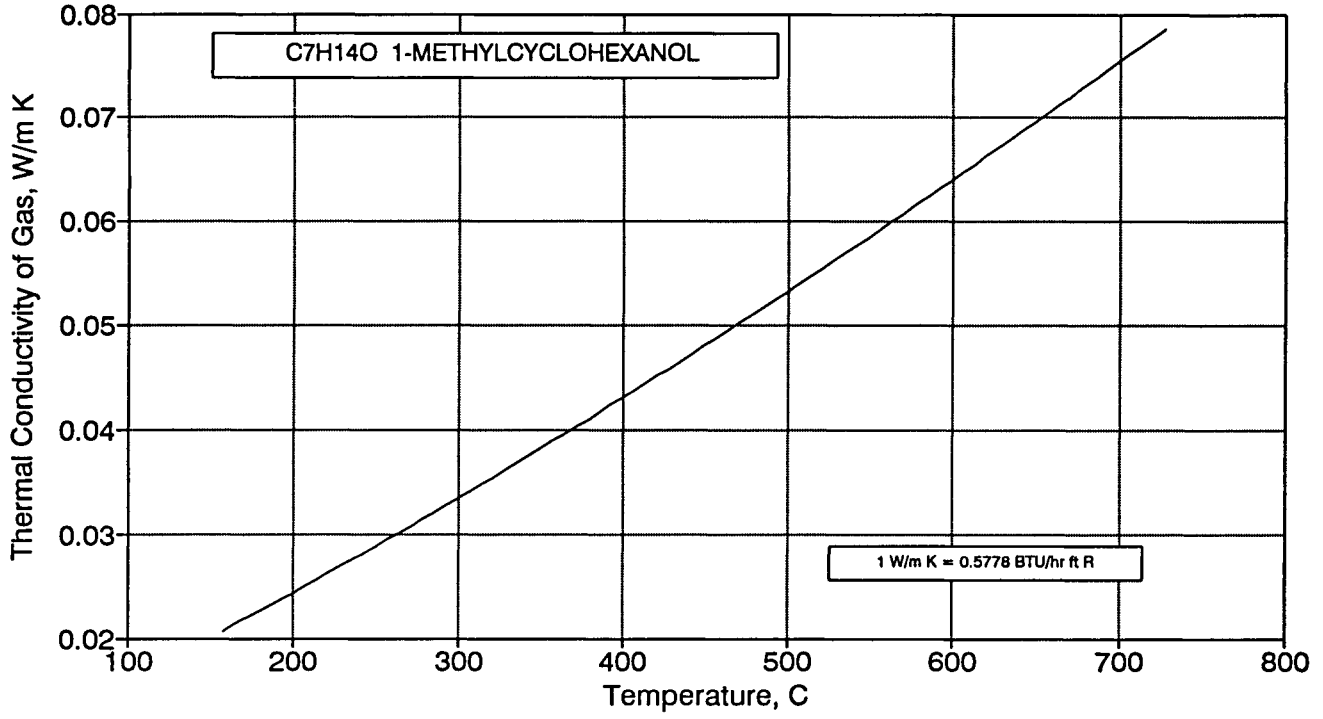

C7H14O DIISOPROPYL KETONE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

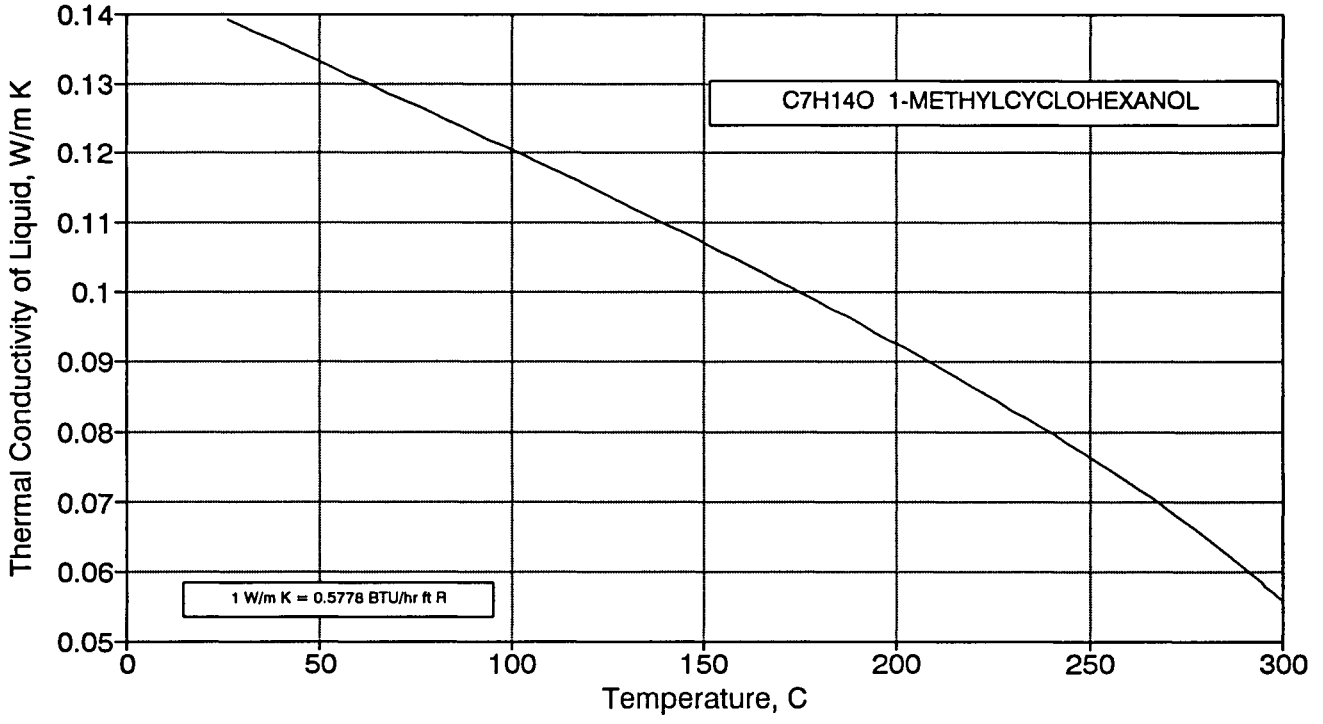

C7H14O 2-HEPTANONE
Thermal Conductivity of Gas, W/m K
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

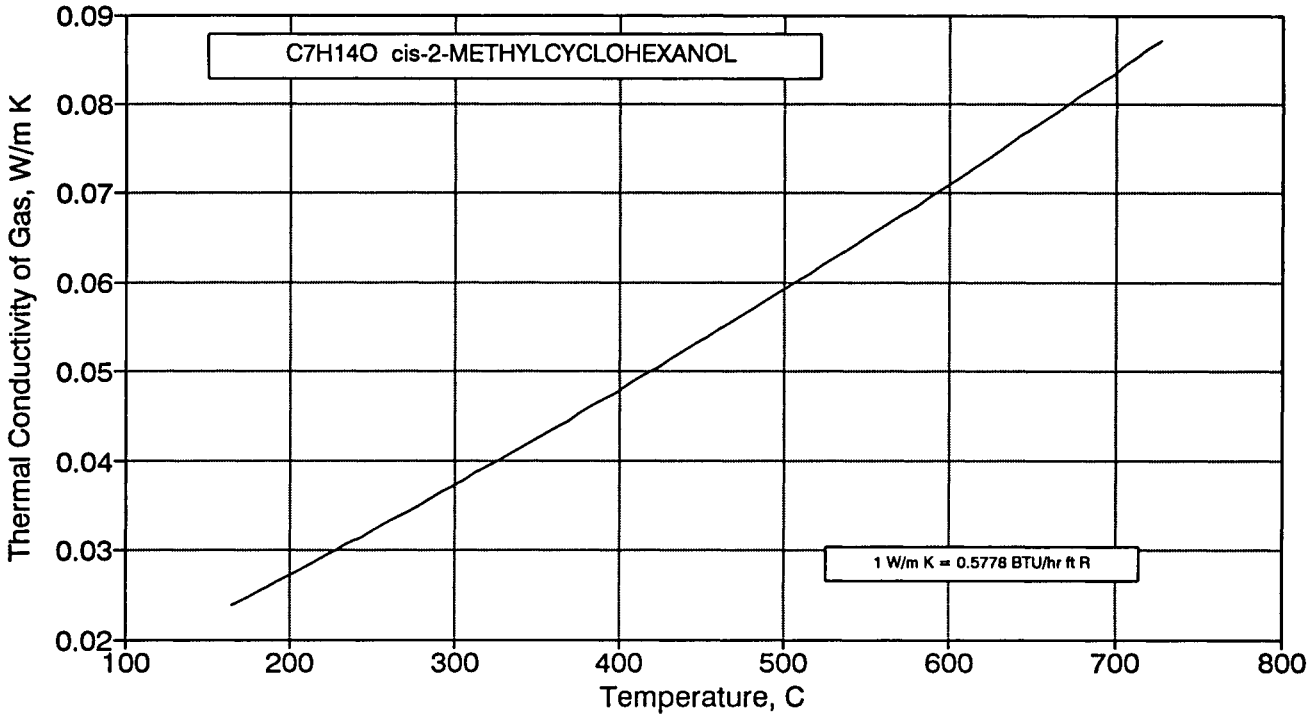

C7H14O 2-HEPTANONE
Thermal Conductivity of Liquid, W/m K
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

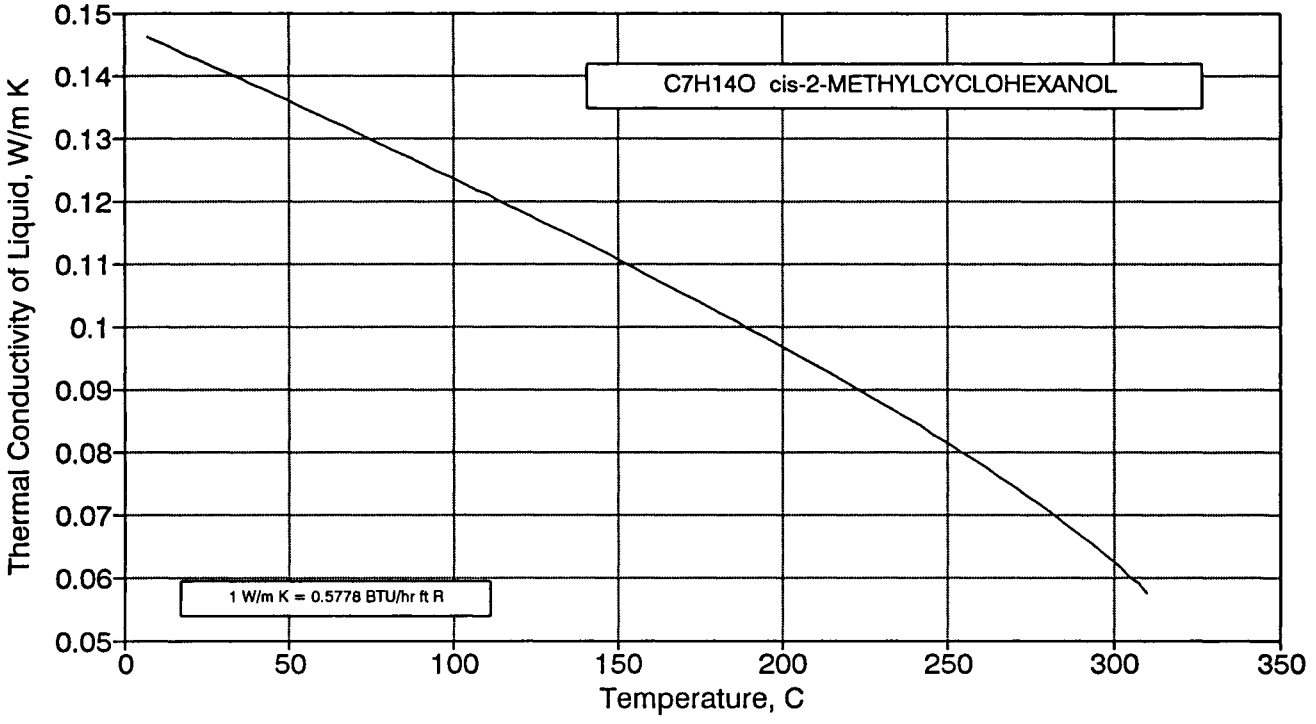

C7H14O 1-HEPTANAL
Thermal Conductivity of Gas, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

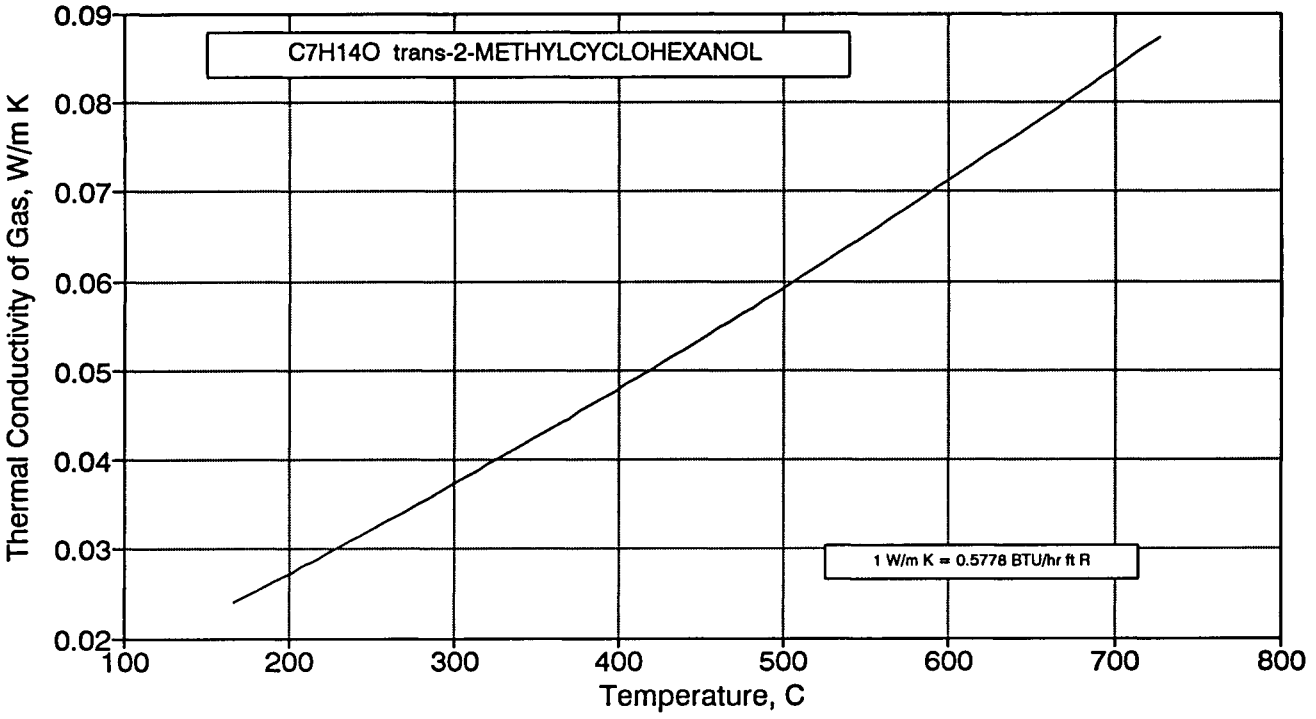

C7H14O 1-HEPTANAL
Thermal Conductivity of Liquid, W/m K
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

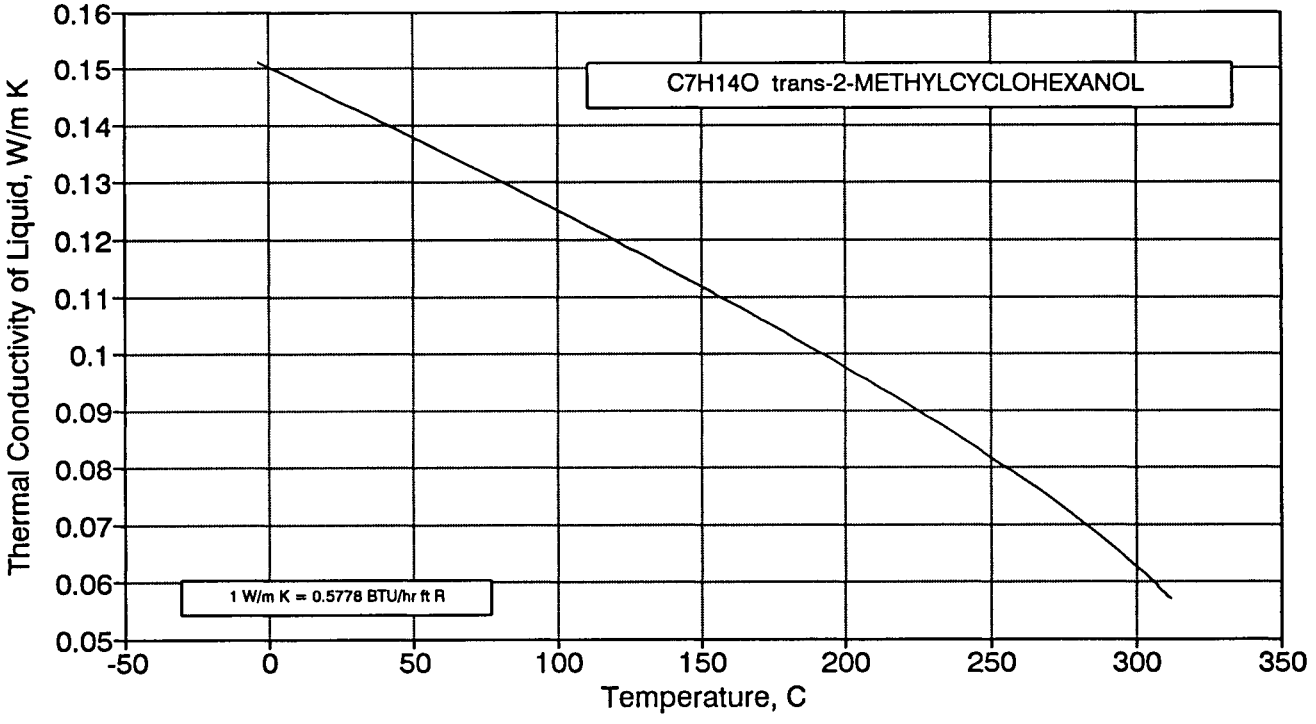

C7H14O 1-METHYLCYCLOHEXANOL
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

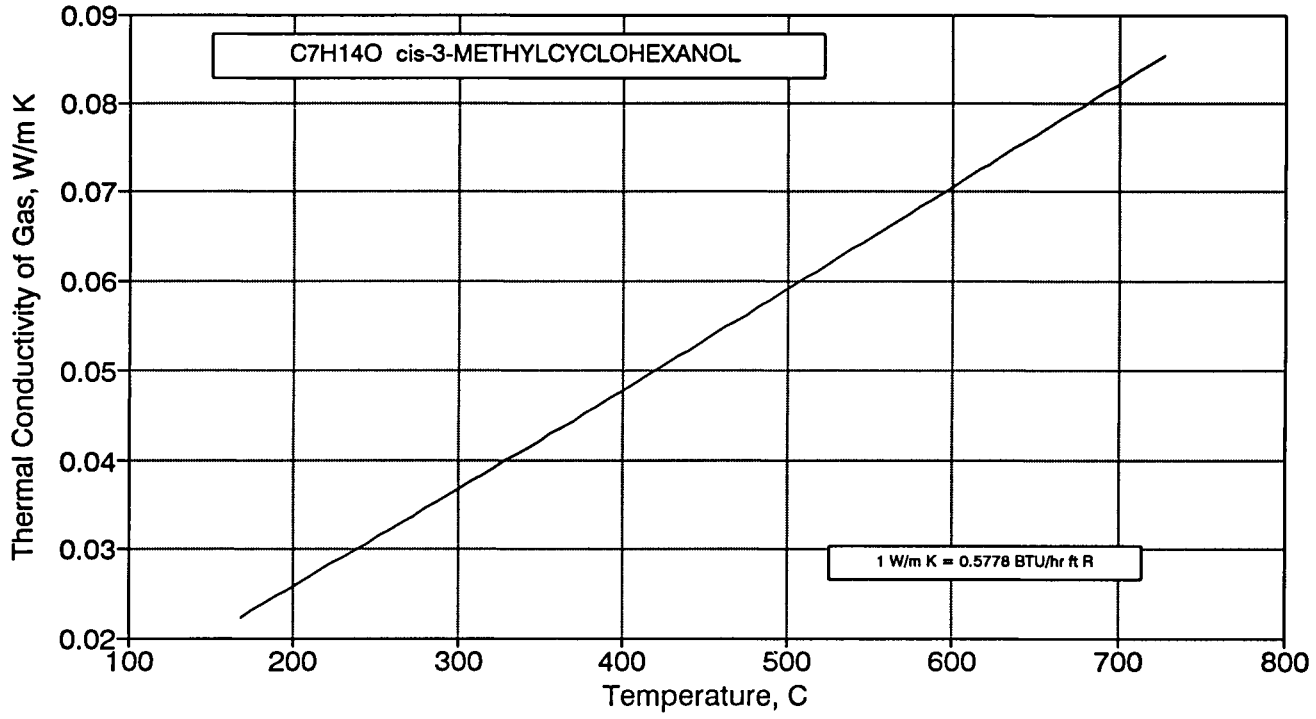

C7H14O 1-METHYLCYCLOHEXANOL
Thermal Conductivity of Liquid, W/m K
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

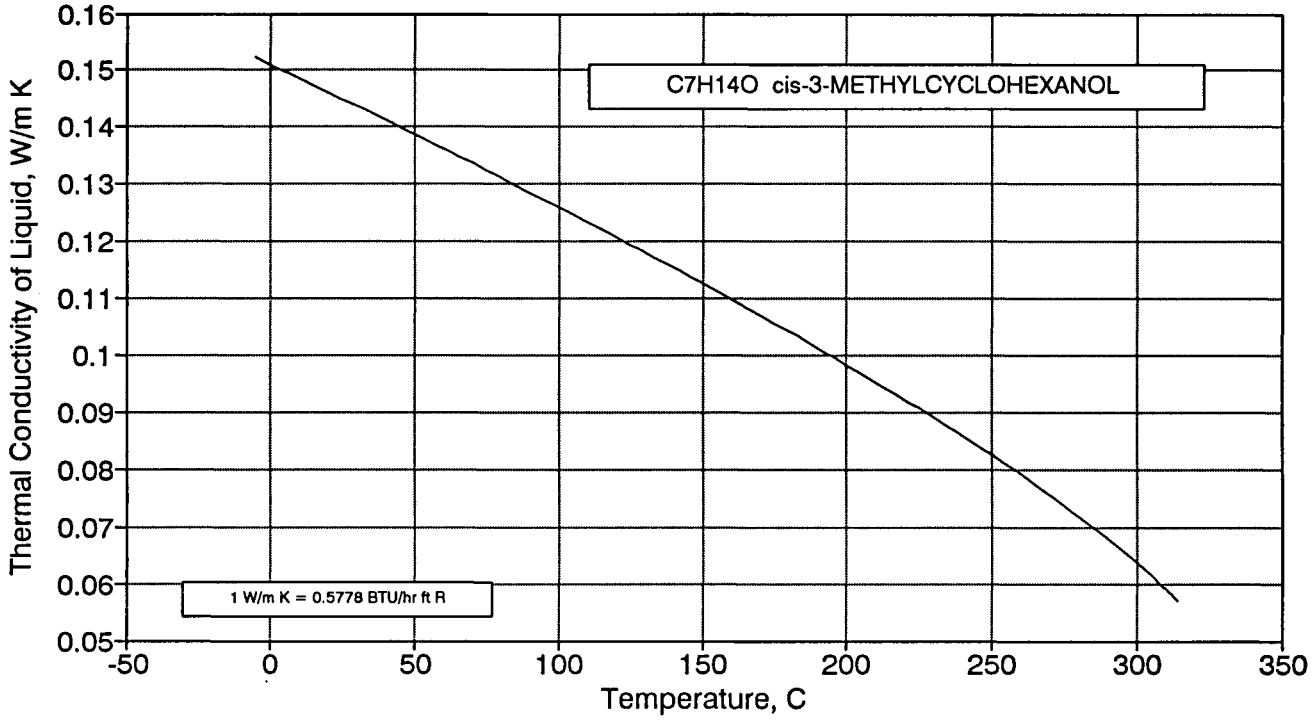

C7H14O cis-2-METHYLCYCLOHEXANOL
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

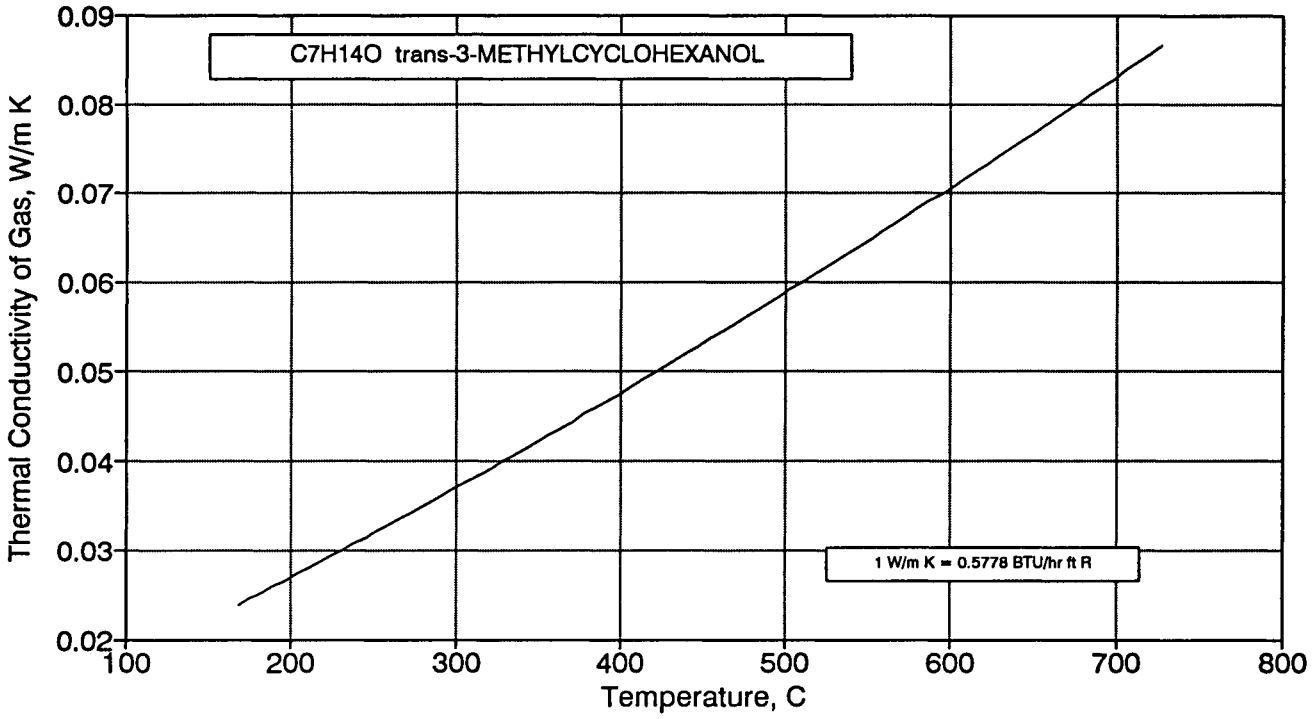

C7H14O cis-2-METHYLCYCLOHEXANOL
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

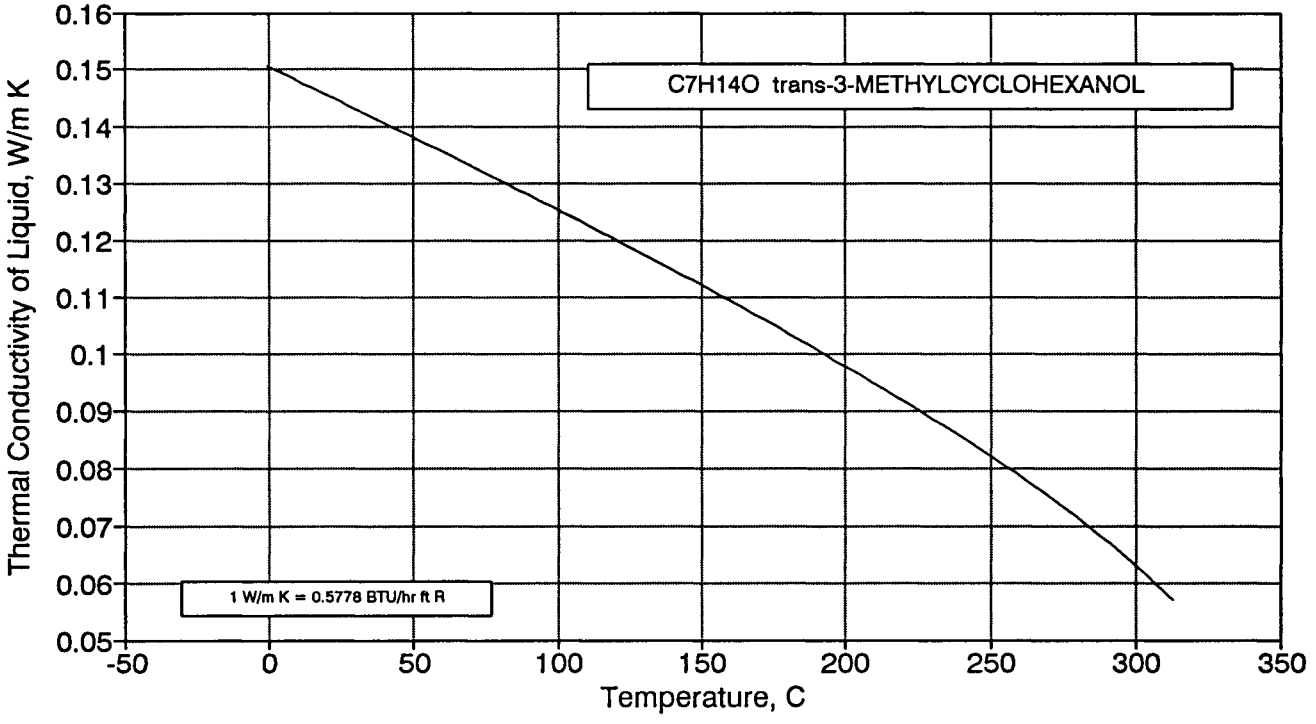

C7H14O trans-2-METHYLCYCLOHEXANOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800
Temperature, C

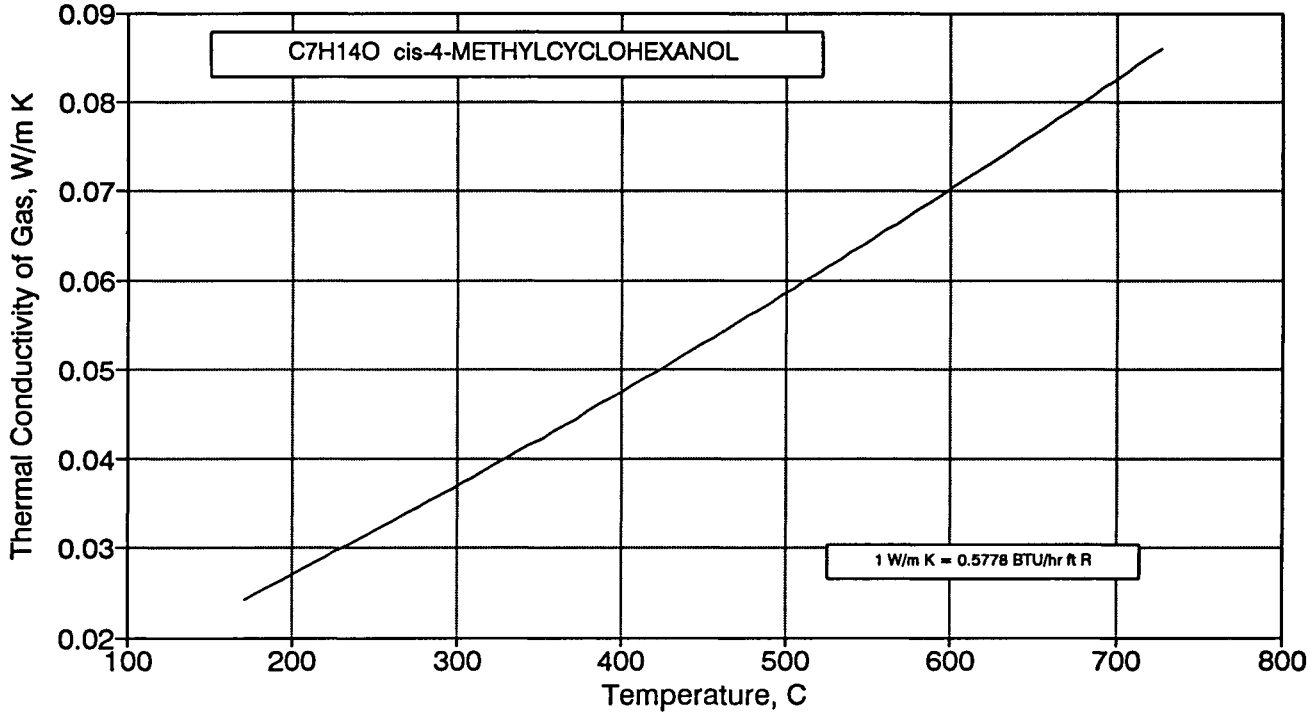

C7H14O trans-2-METHYLCYCLOHEXANOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
-50
0
50
100
150
200
250
300
350
Temperature, C

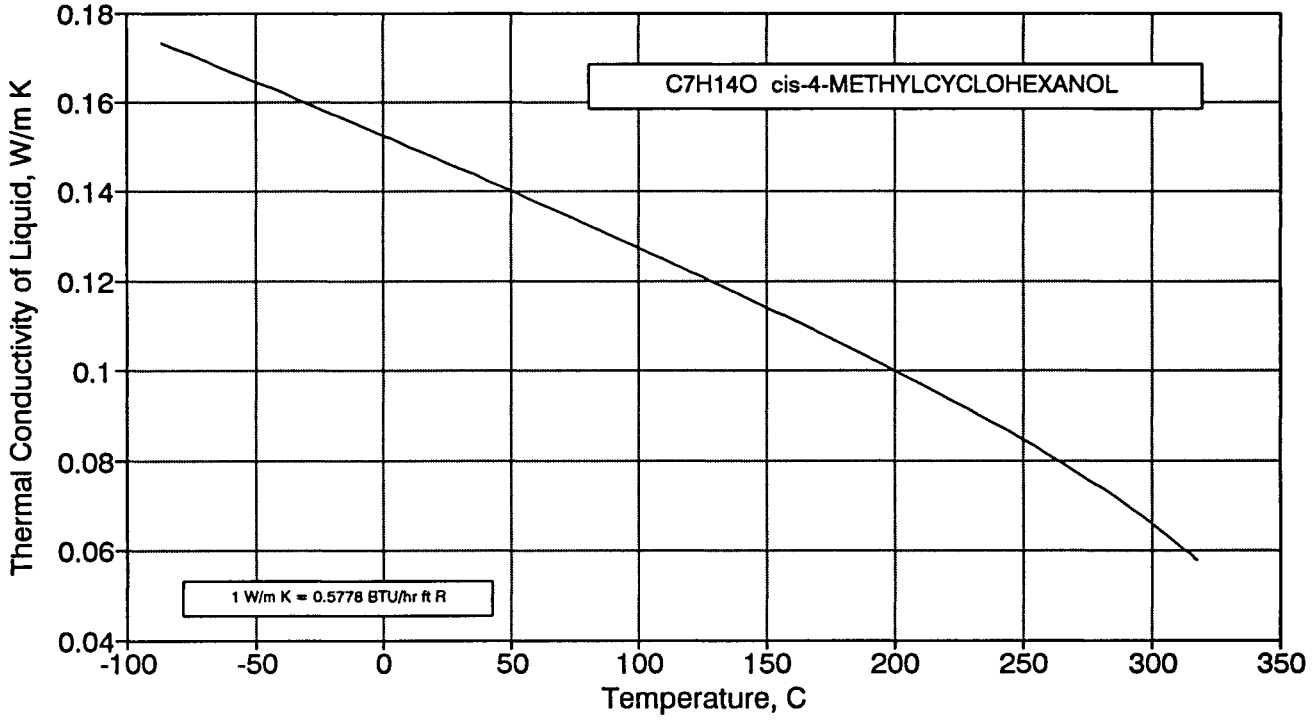

C7H14O cis-3-METHYLCYCLOHEXANOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800
Temperature, C

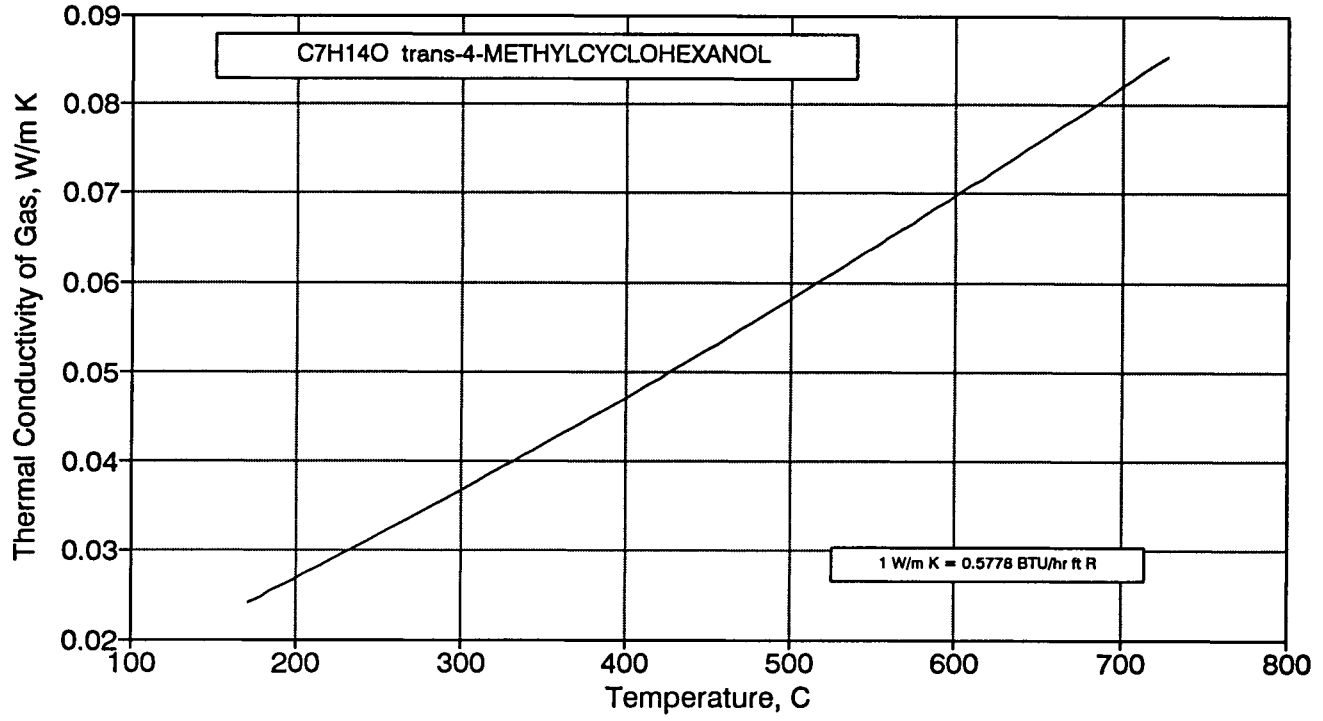

C7H14O cis-3-METHYLCYCLOHEXANOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
-50
0
50
100
150
200
250
300
350
Temperature, C

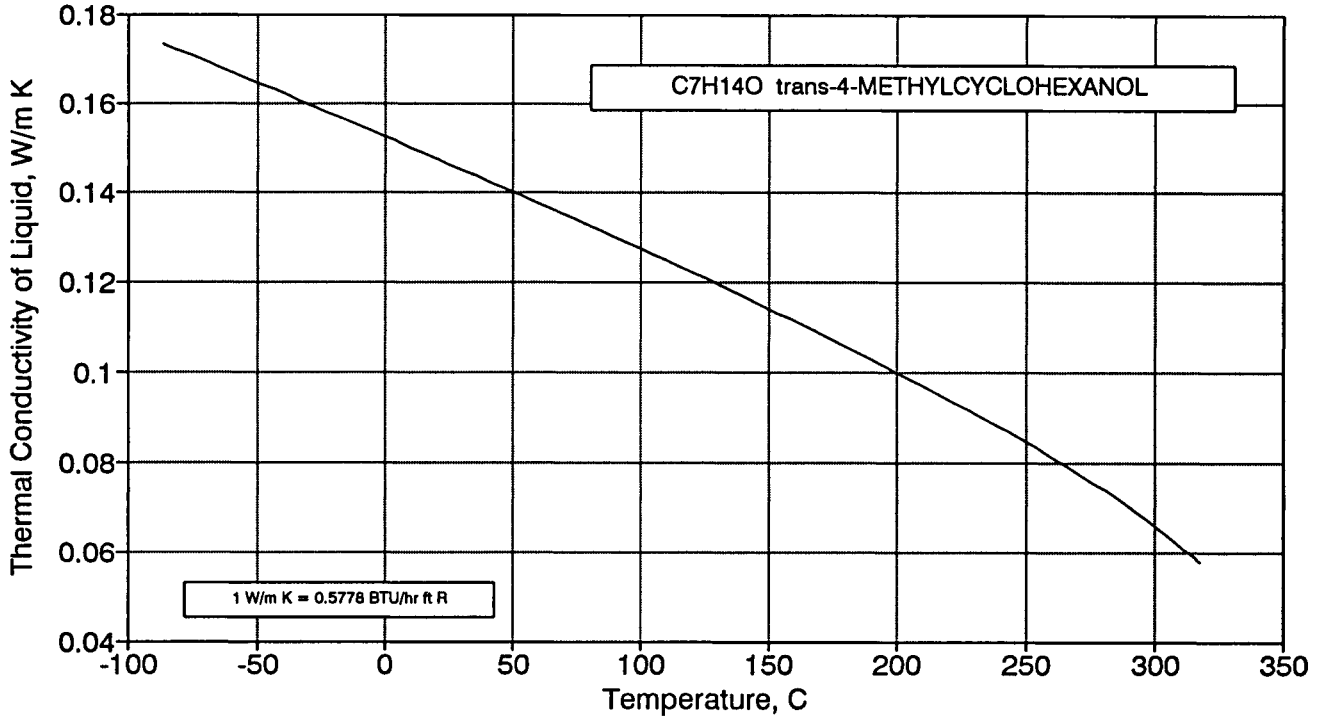

C7H14O trans-3-METHYLCYCLOHEXANOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800
Temperature, C

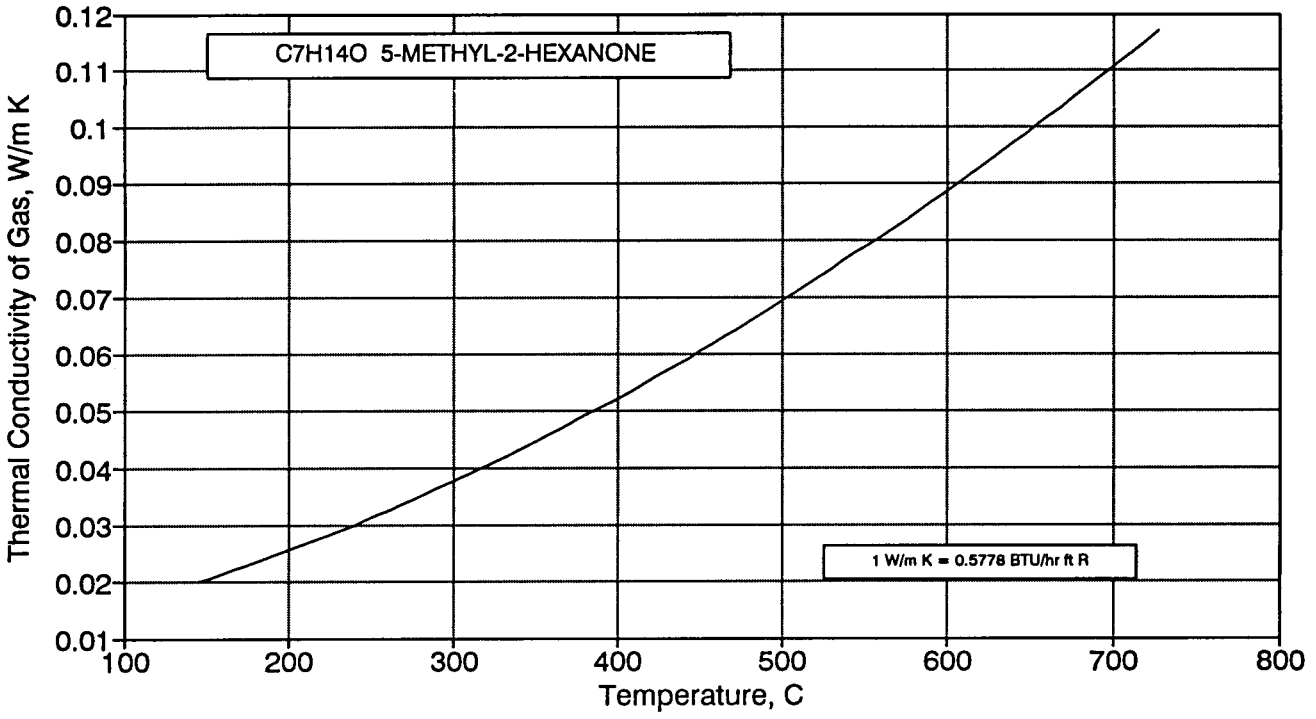

C7H14O trans-3-METHYLCYCLOHEXANOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
-50
0
50
100
150
200
250
300
350
Temperature, C

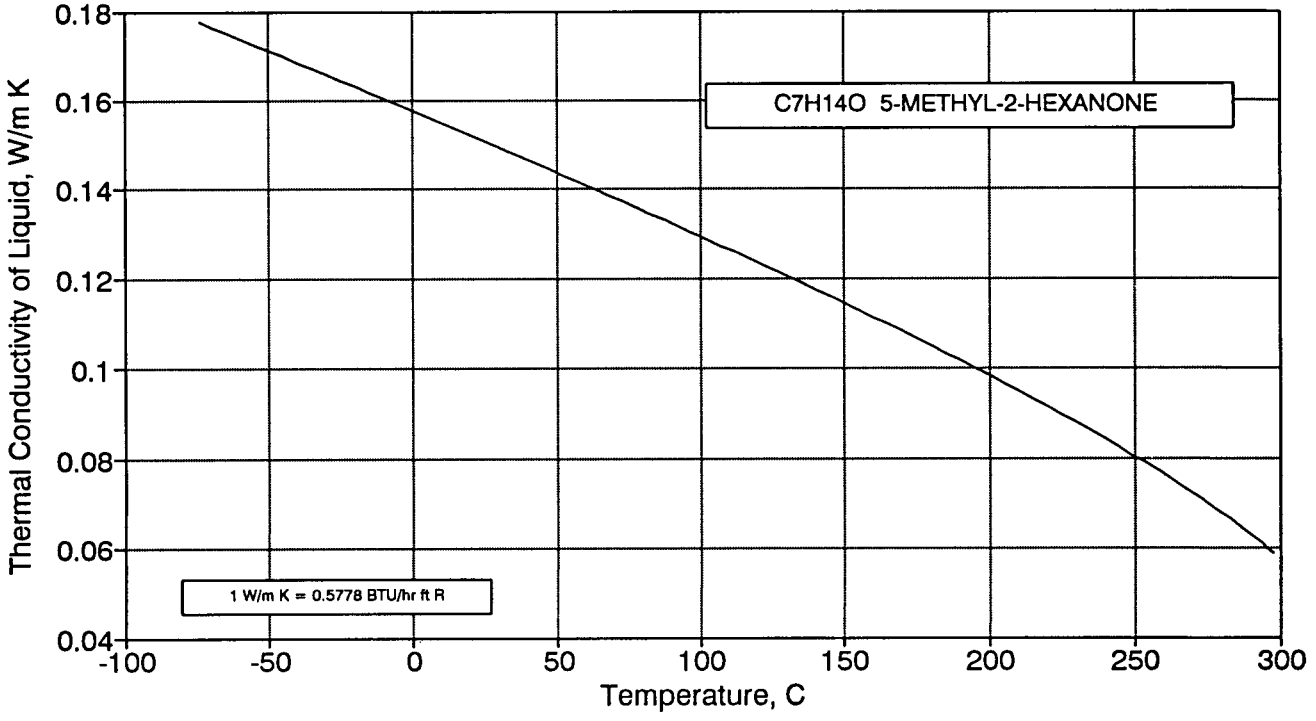

C7H14O cis-4-METHYLCYCLOHEXANOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800
Temperature, C

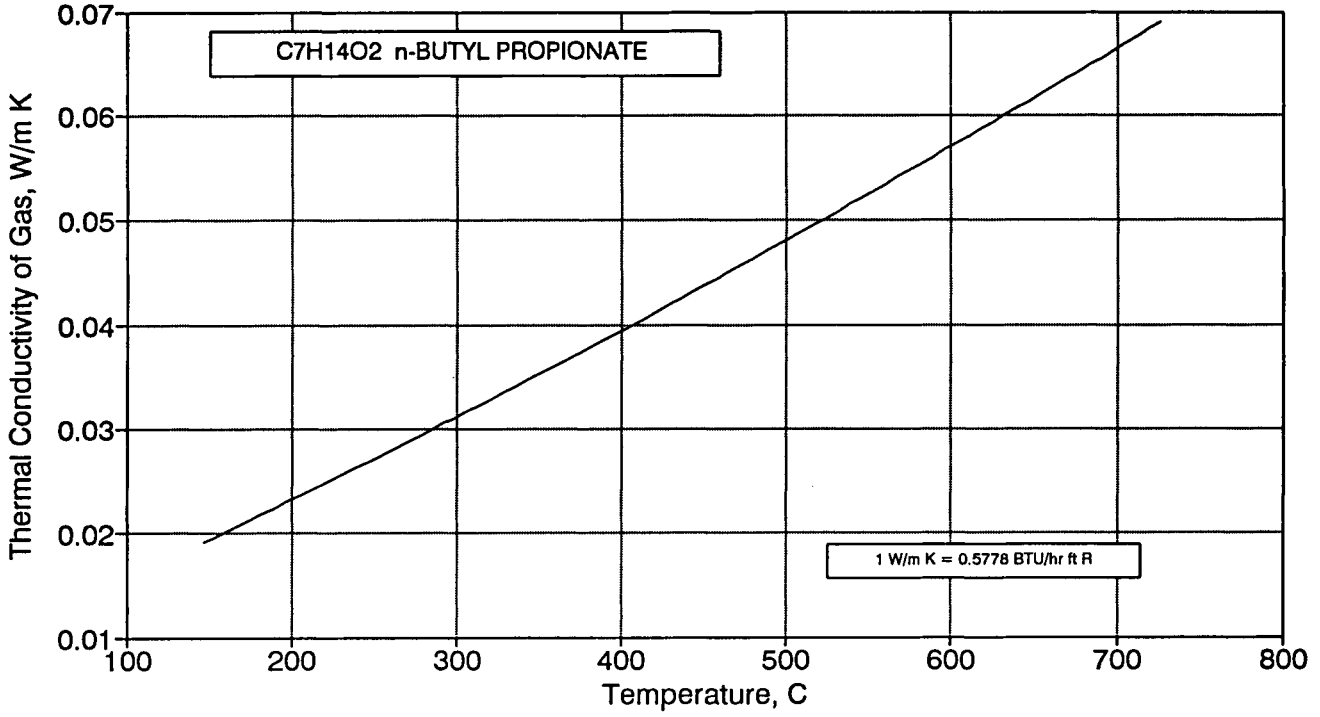

C7H14O cis-4-METHYLCYCLOHEXANOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
350
Temperature, C

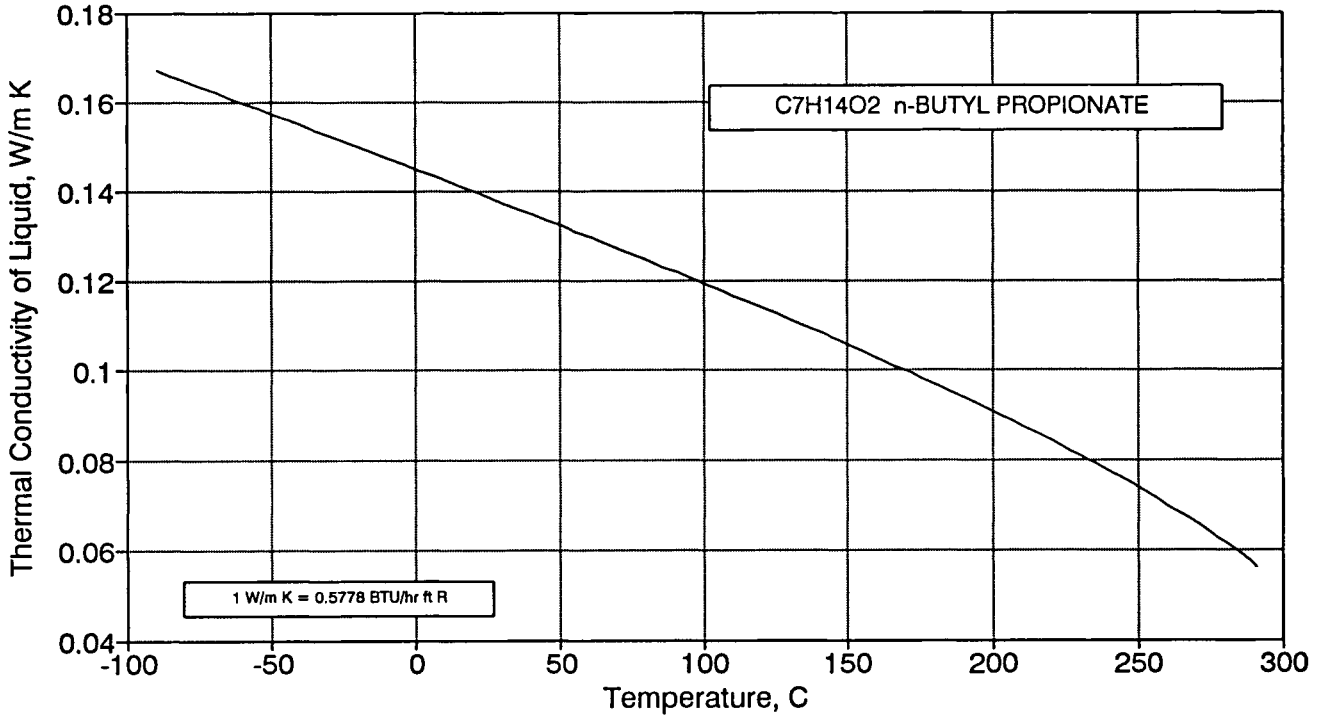

C7H14O trans-4-METHYLCYCLOHEXANOL
Thermal Conductivity of Gas, W/m K
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

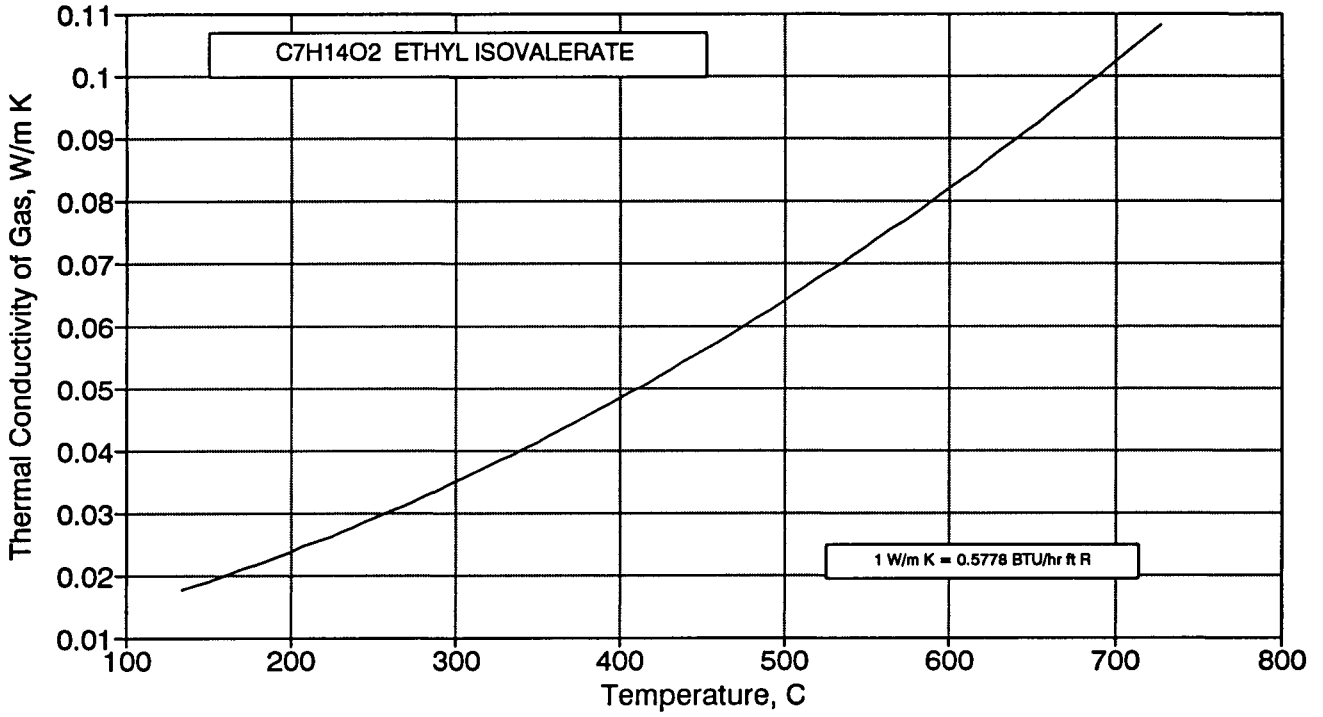

C7H14O trans-4-METHYLCYCLOHEXANOL
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

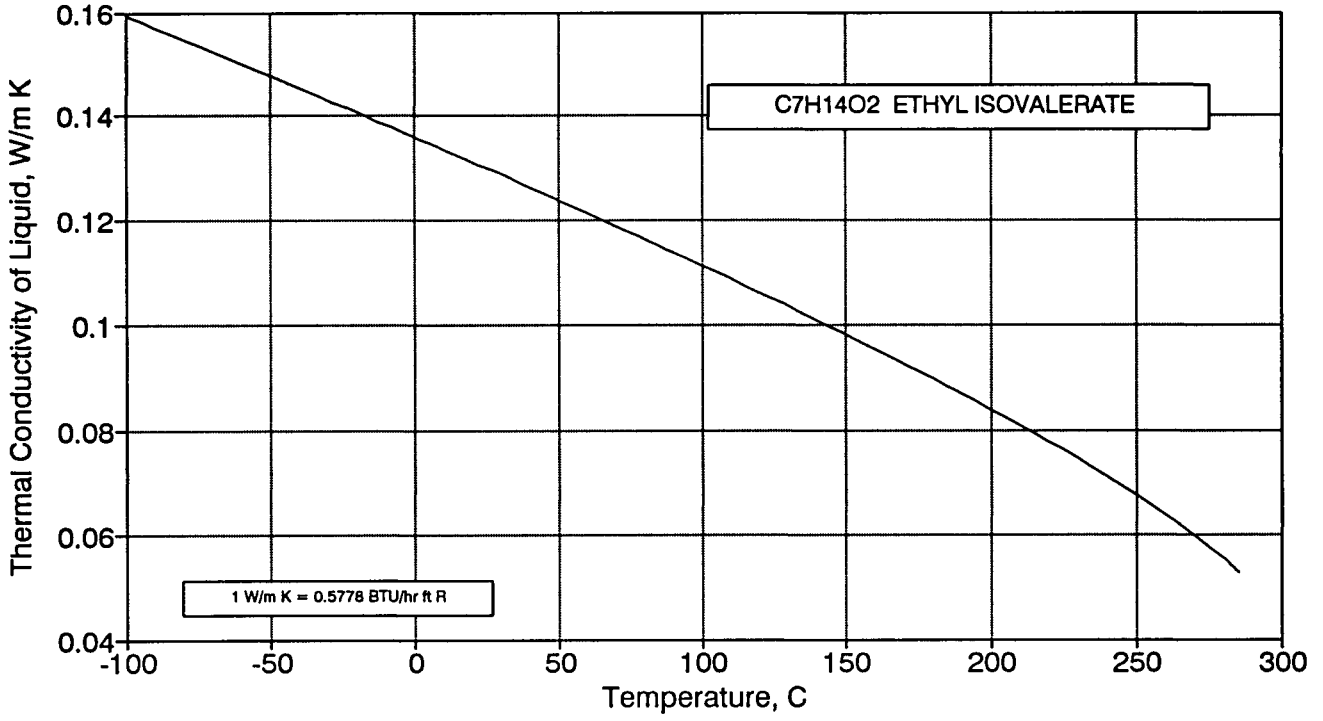

C7H14O 5-METHYL-2-HEXANONE
Thermal Conductivity of Gas, W/m K
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

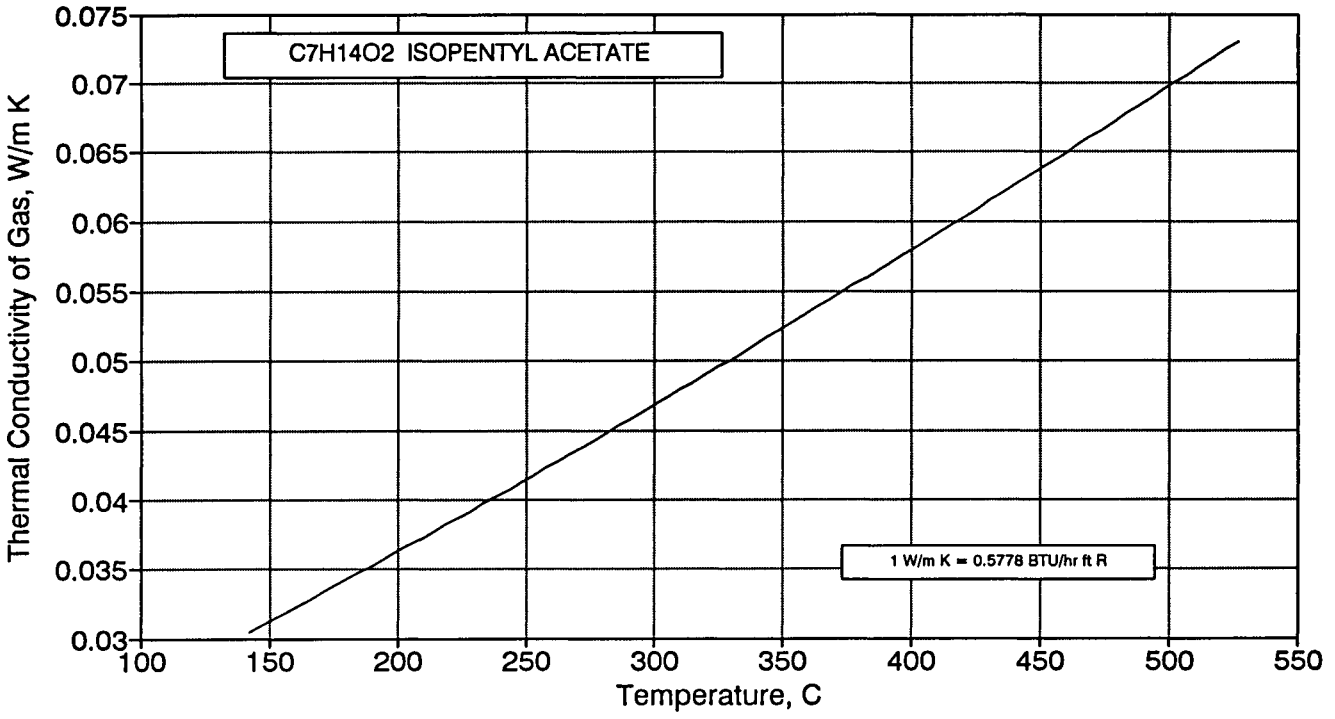

C7H14O 5-METHYL-2-HEXANONE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

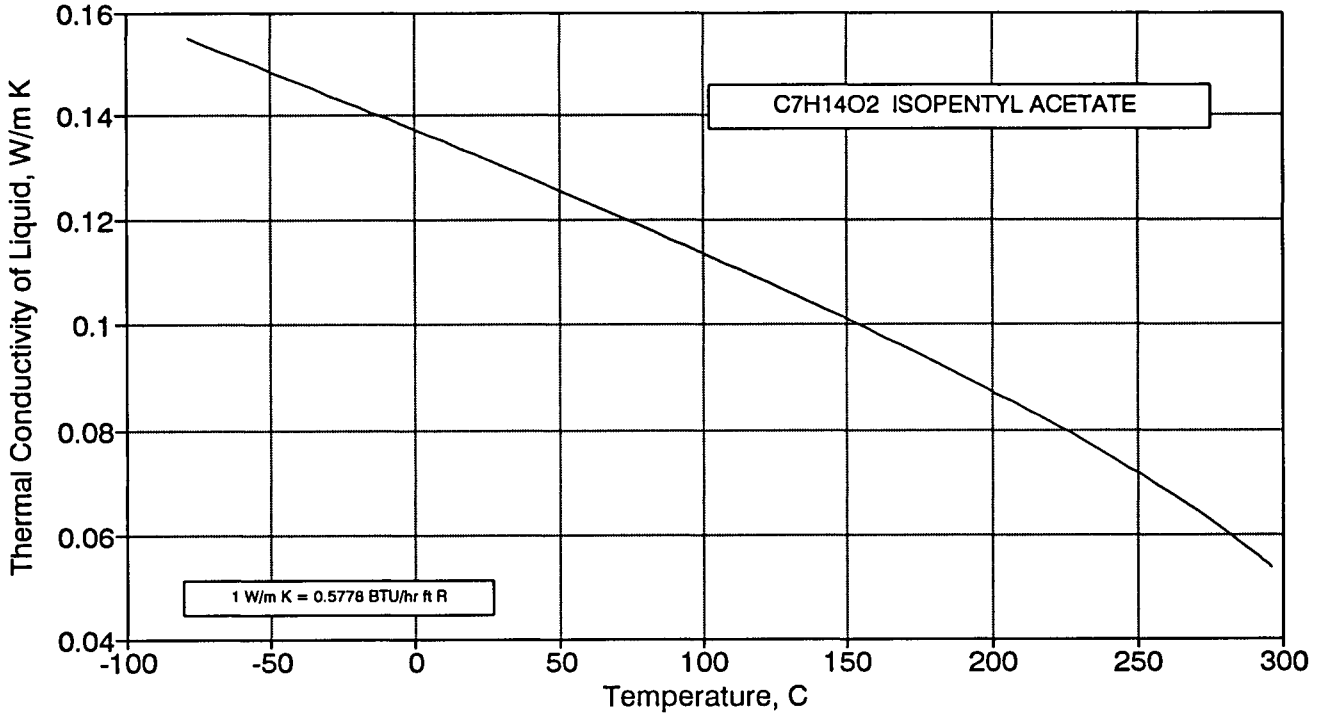

C7H14O2 n-BUTYL PROPIONATE
Thermal Conductivity of Gas, W/m K
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

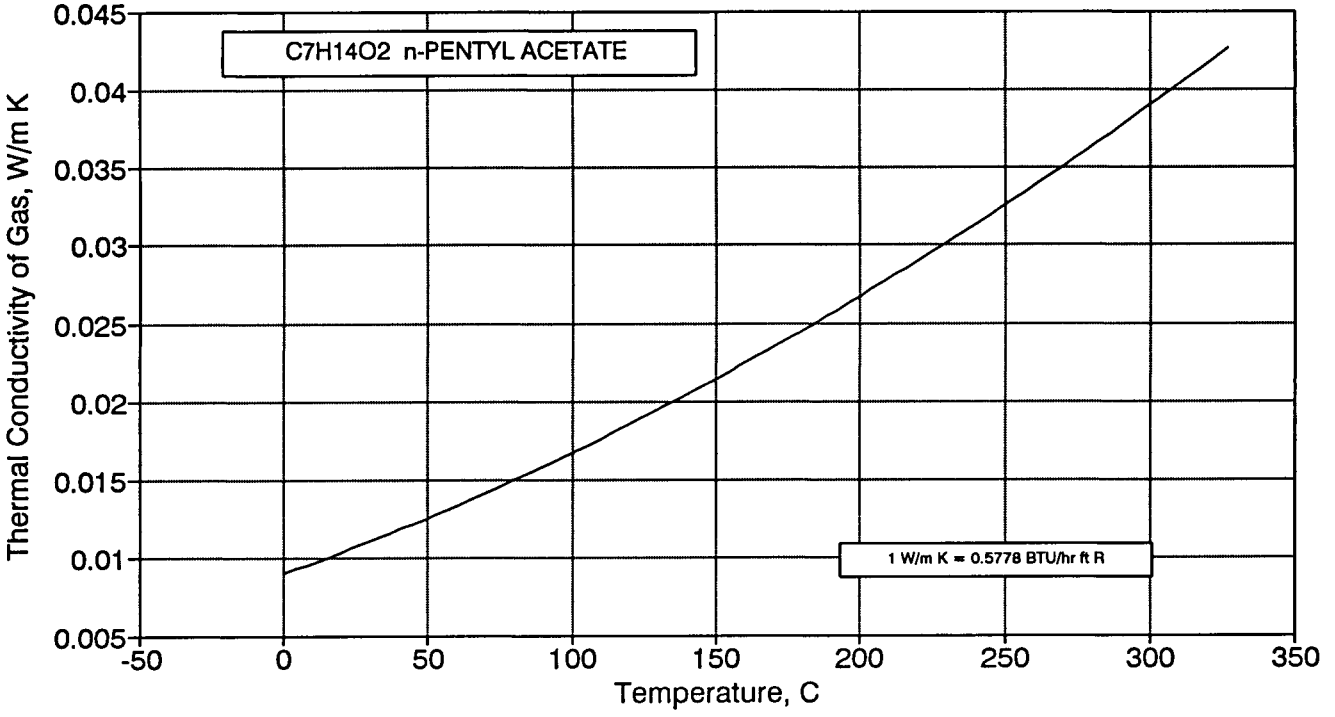

C7H14O2 n-BUTYL PROPIONATE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

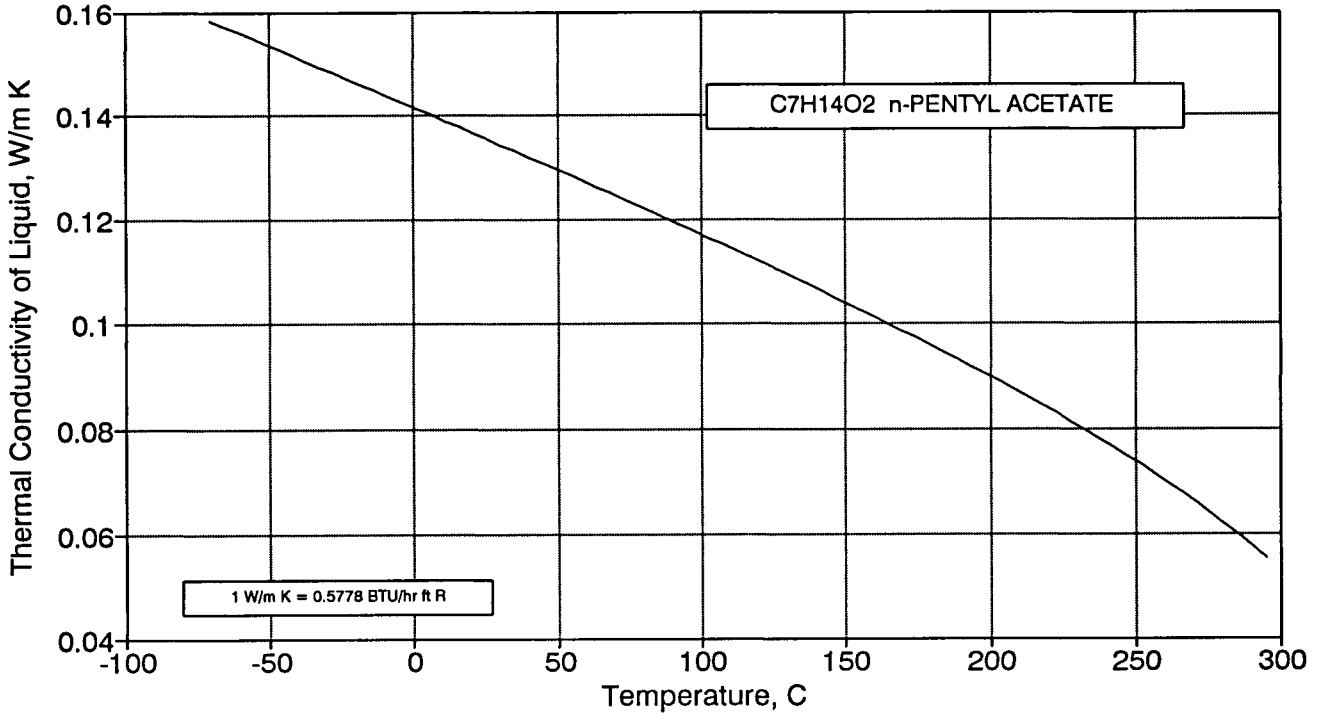

C7H14O2 ETHYL ISOVALERATE
Thermal Conductivity of Gas, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

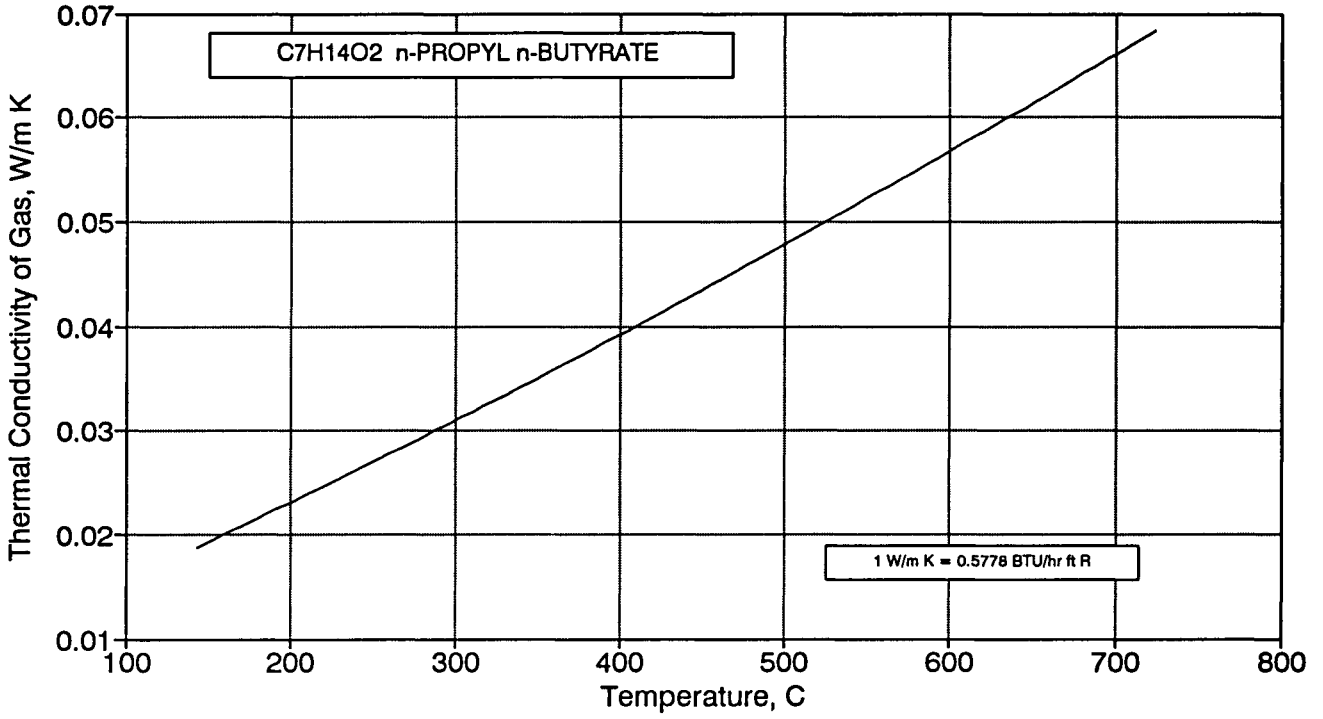

C7H14O2 ETHYL ISOVALERATE
Thermal Conductivity of Liquid, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

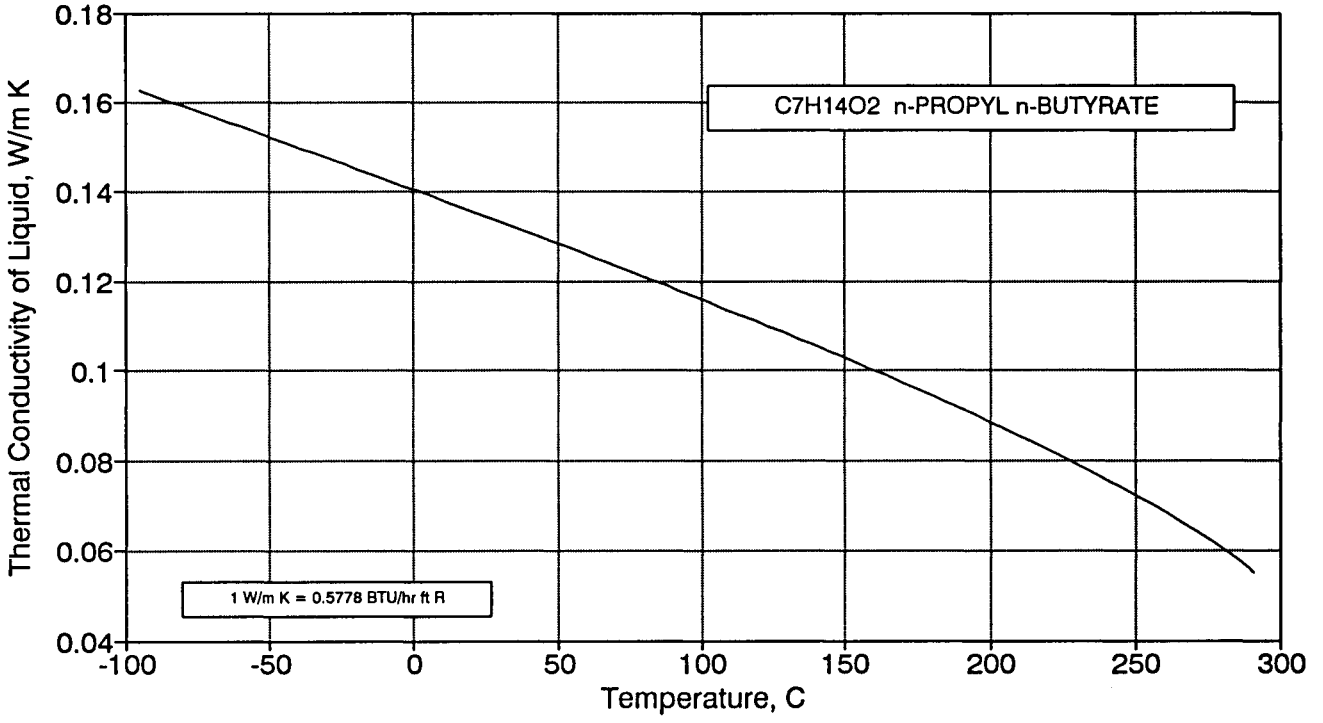

C7H14O2 ISOPENTYL ACETATE
Thermal Conductivity of Gas, W/m K
0.075
0.07
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
100
150
200
250
300
350
400
450
500
550
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

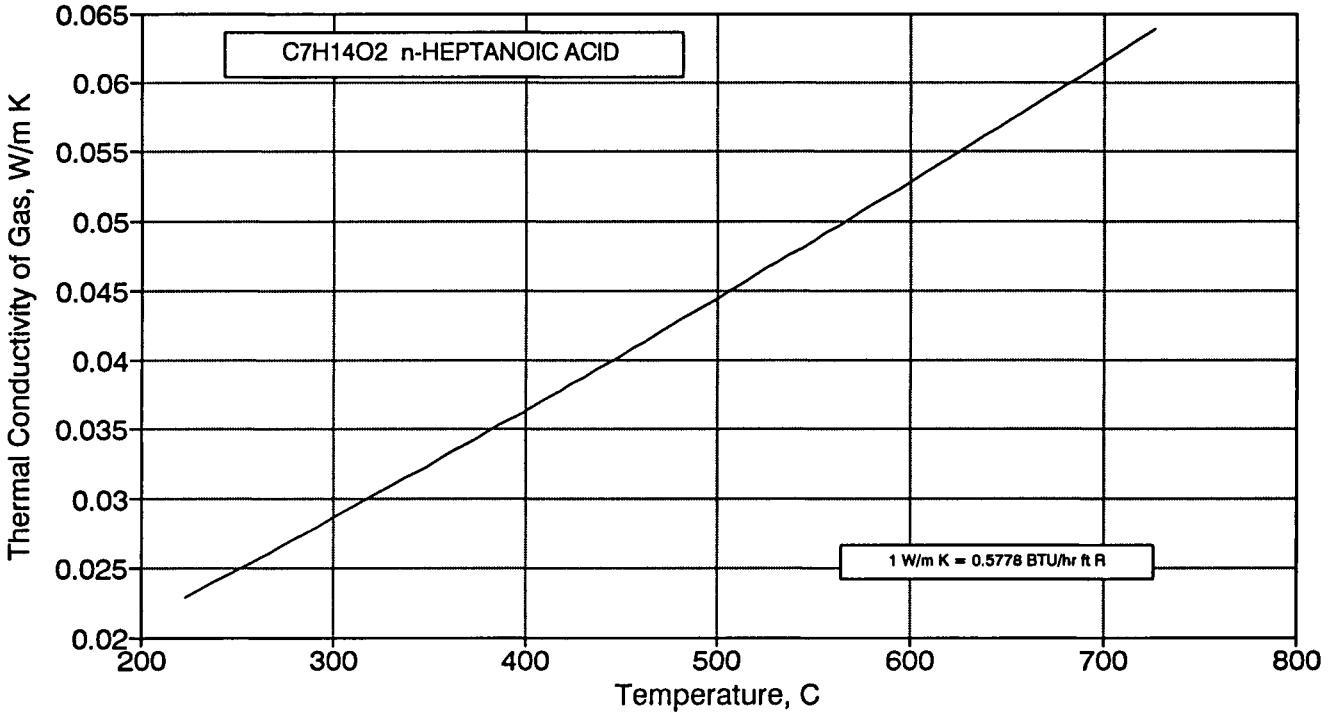

C7H14O2 ISOPENTYL ACETATE
Thermal Conductivity of Liquid, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

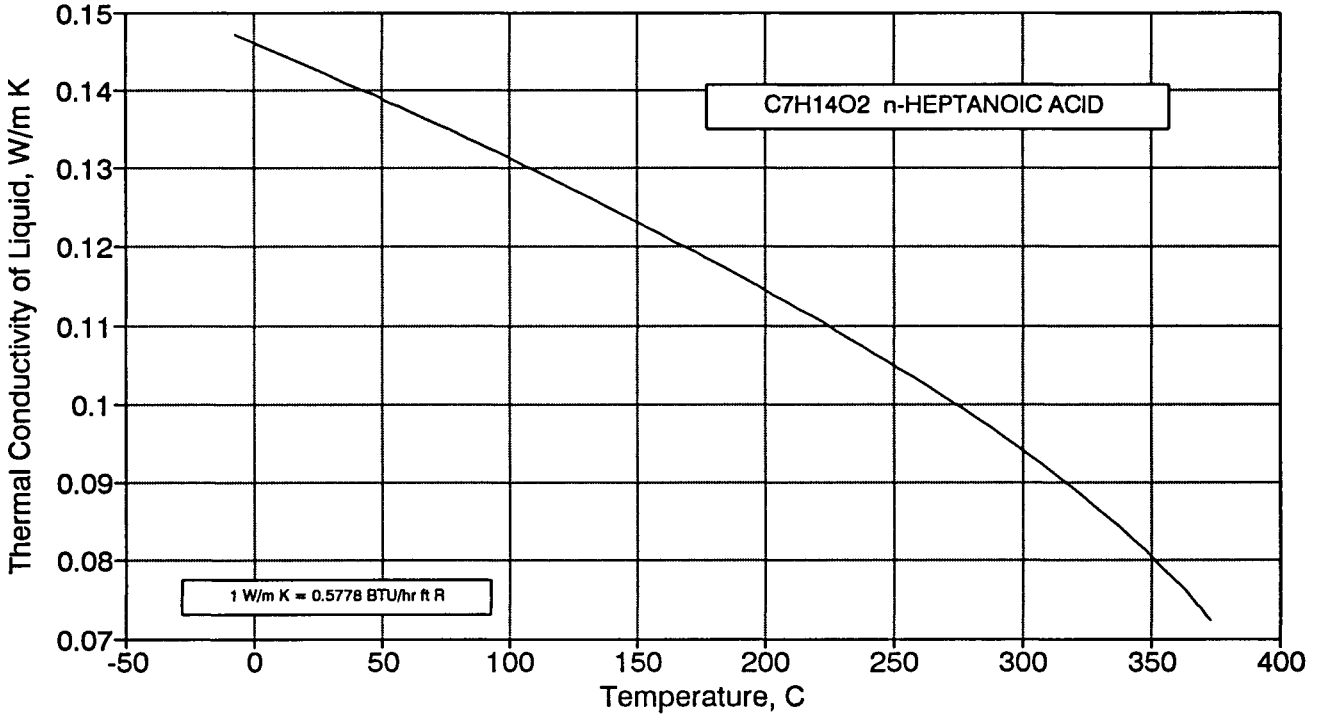

C7H14O2 n-PENTYL ACETATE
Thermal Conductivity of Gas, W/m K
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

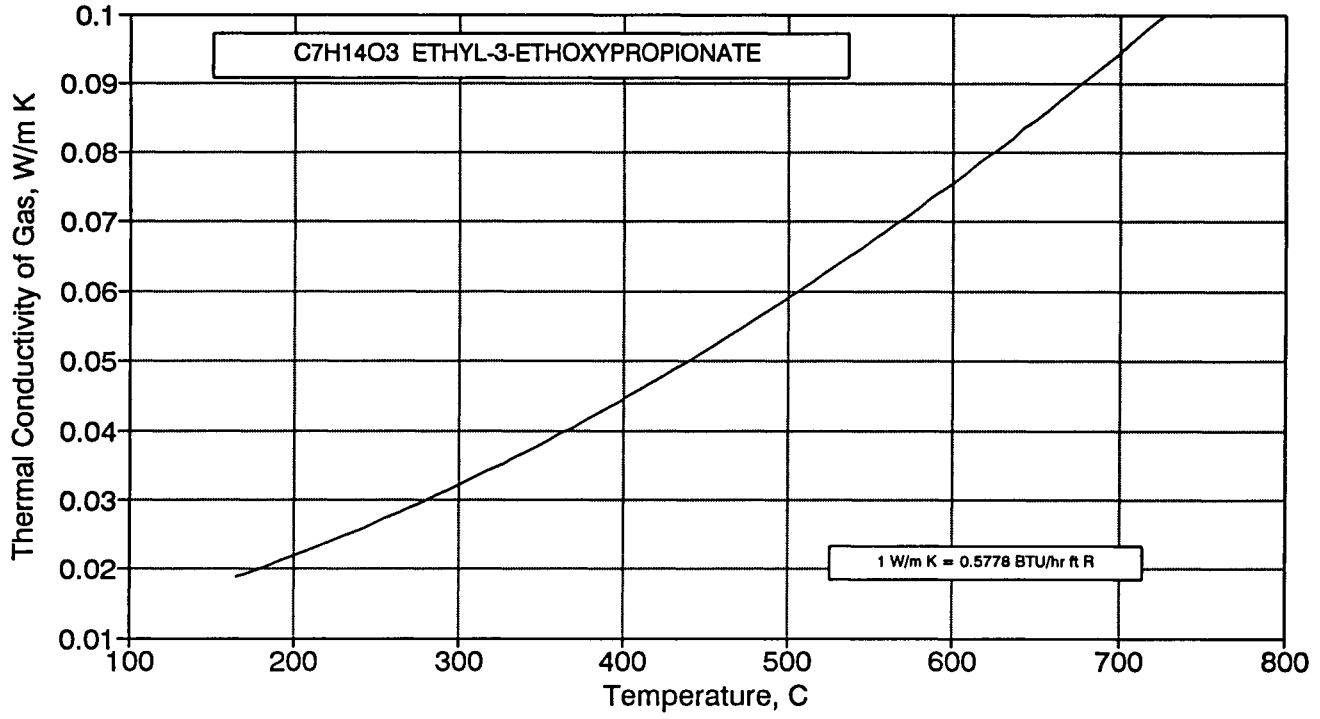

C7H14O2 n-PENTYL ACETATE
Thermal Conductivity of Liquid, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

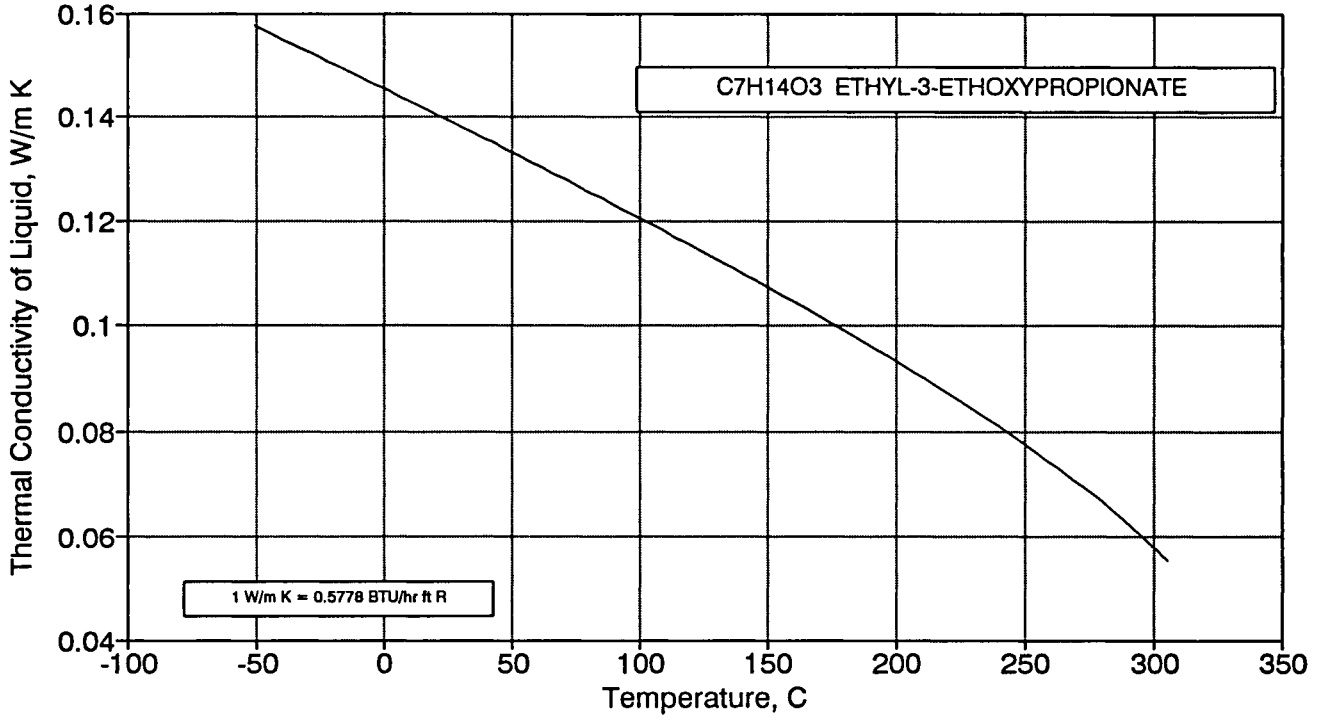

C7H14O2 n-PROPYL n-BUTYRATE
Thermal Conductivity of Gas, W/m K
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

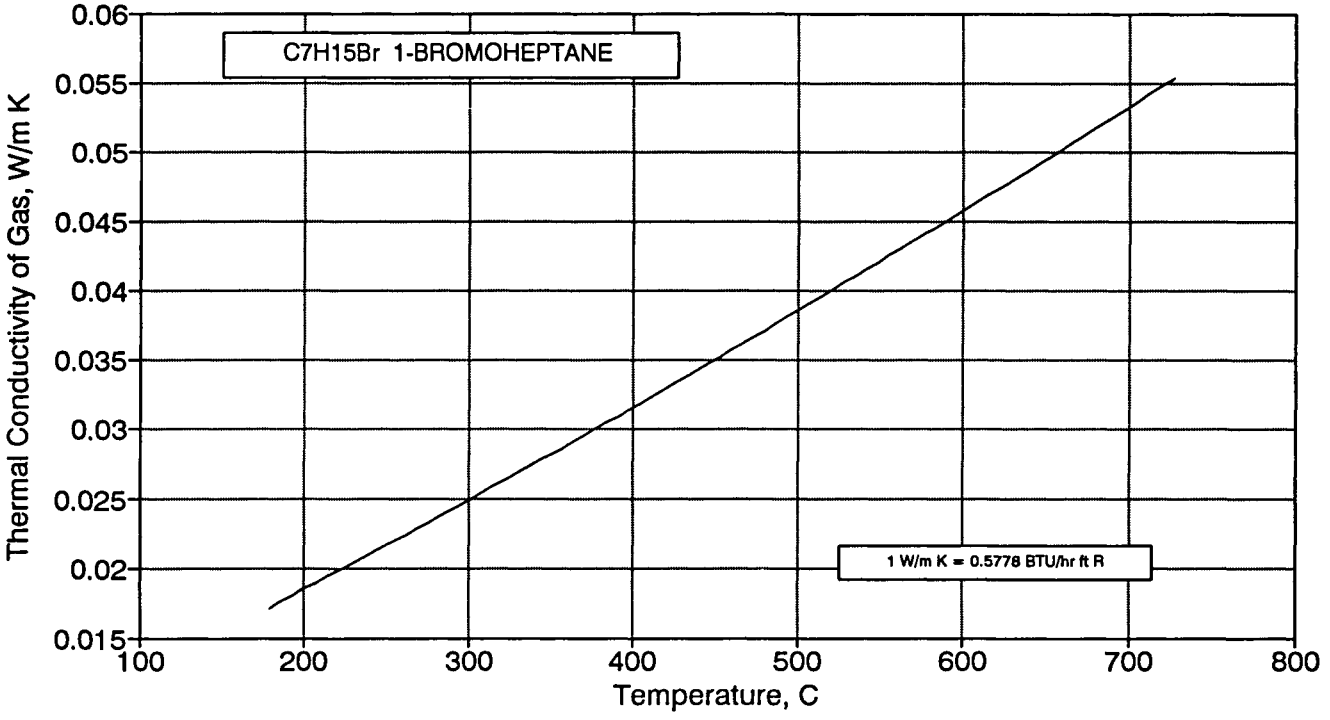

C7H14O2 n-PROPYL n-BUTYRATE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

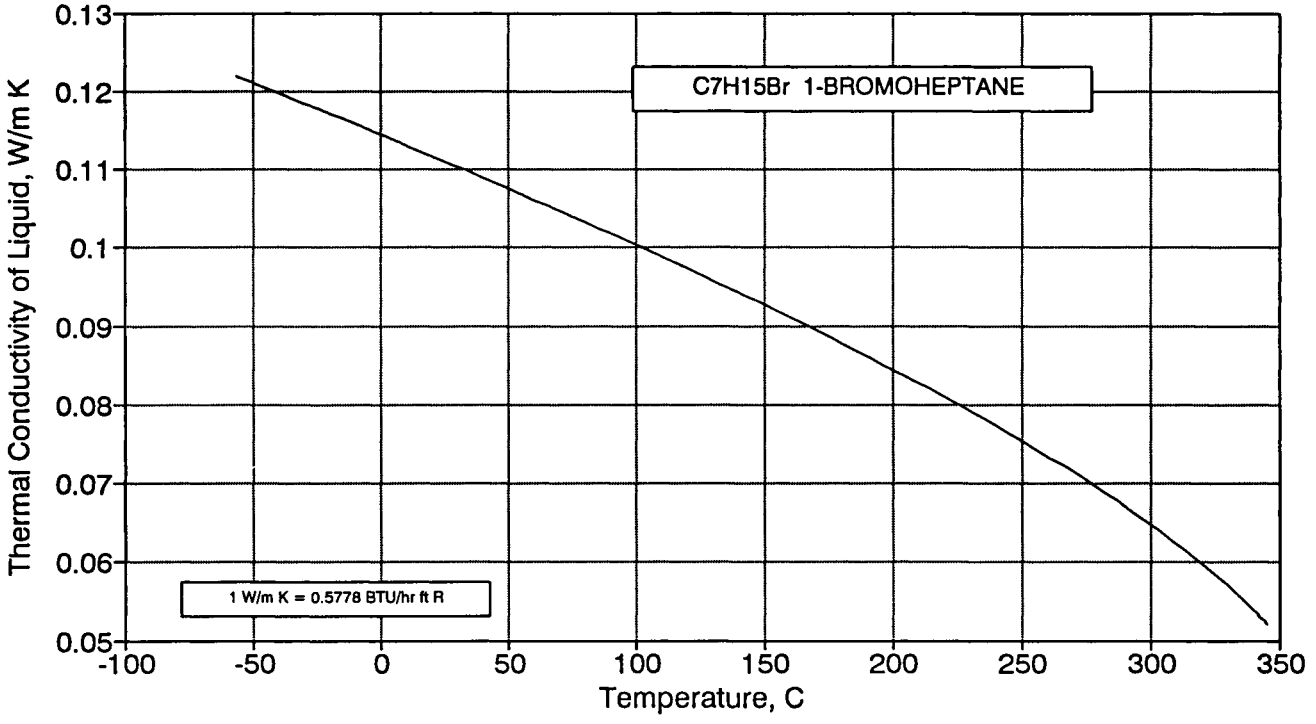

C7H14O2 n-HEPTANOIC ACID
Thermal Conductivity of Gas, W/m K
0.065
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

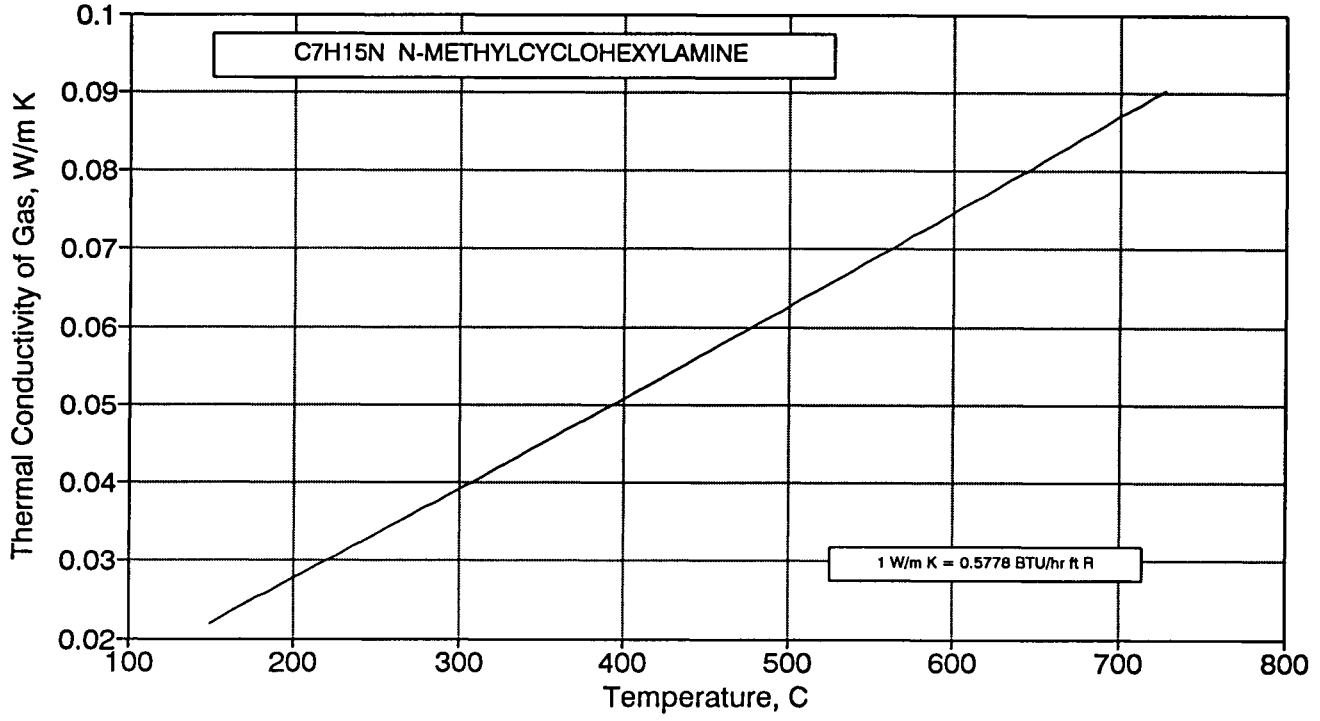

C7H14O2 n-HEPTANOIC ACID
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
-50
0
50
100
150
200
250
300
350
400
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

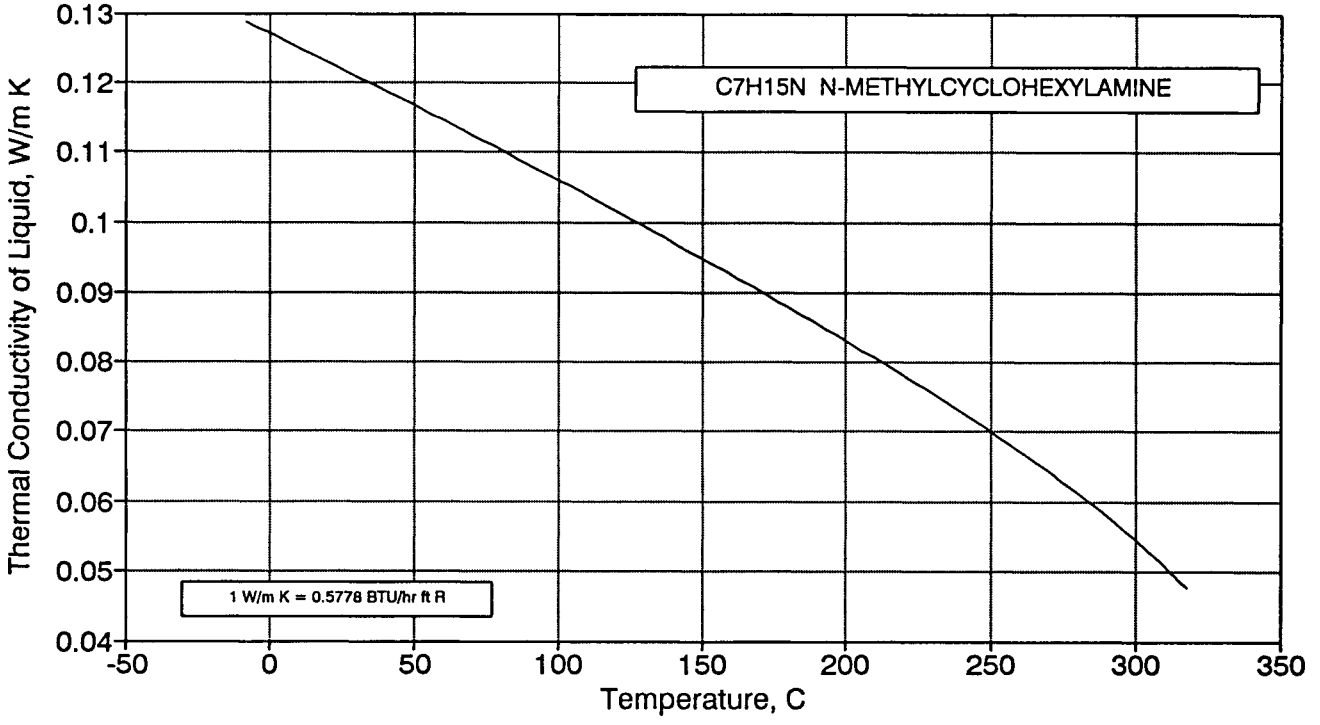

C7H14O3 ETHYL-3-ETHOXYPROPIONATE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

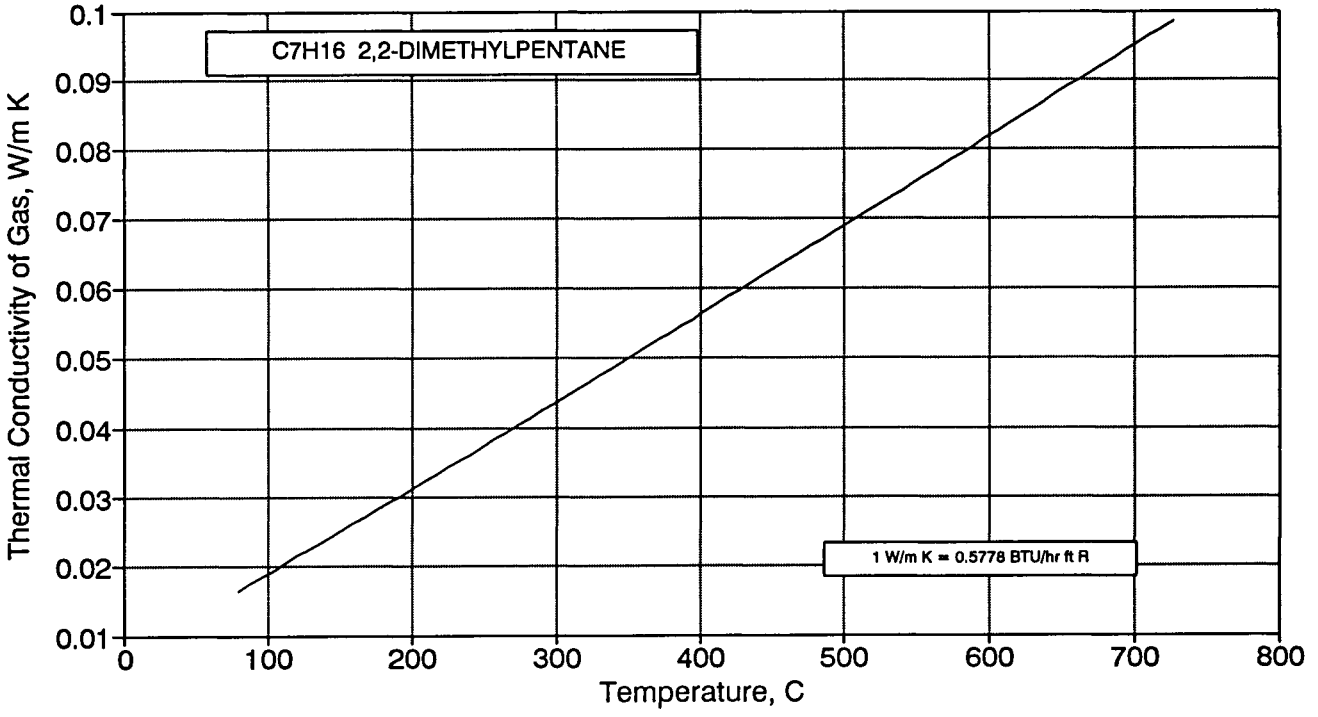

C7H14O3 ETHYL-3-ETHOXYPROPIONATE
Thermal Conductivity of Liquid, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

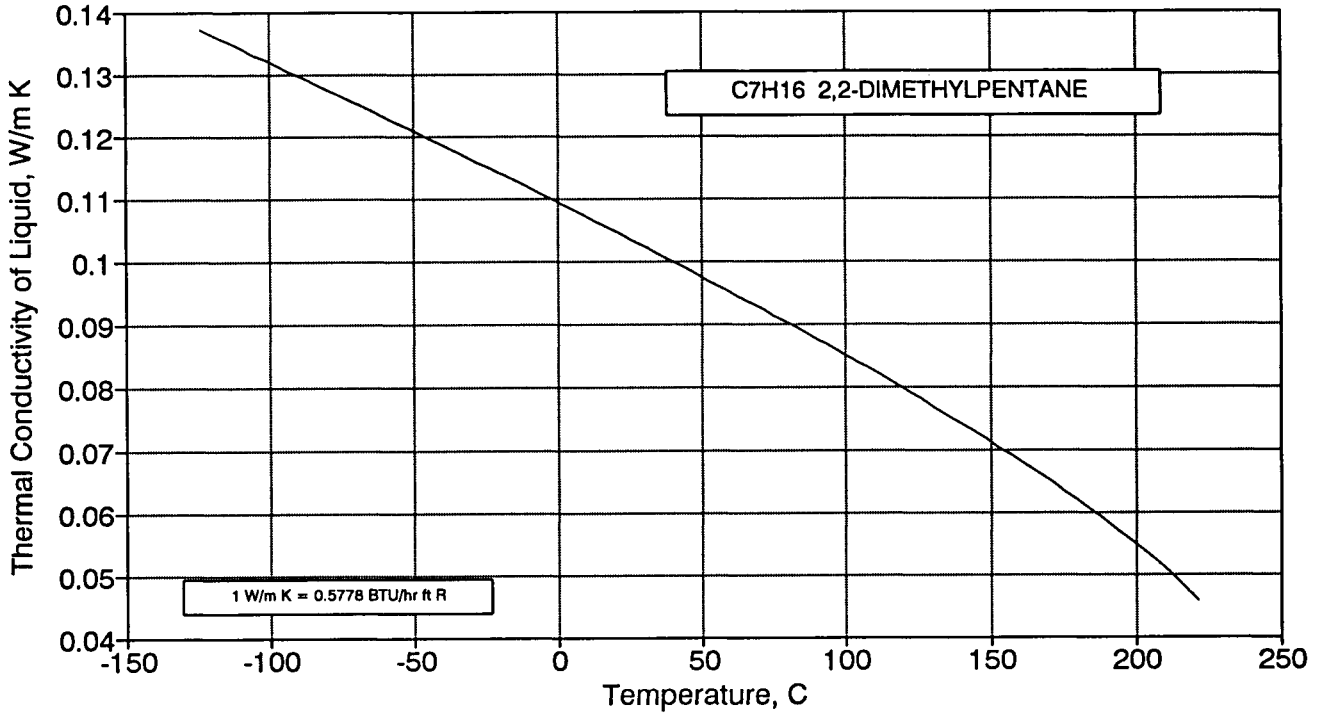

C7H15Br 1-BROMOHEPTANE
Thermal Conductivity of Gas, W/m K
0.06
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

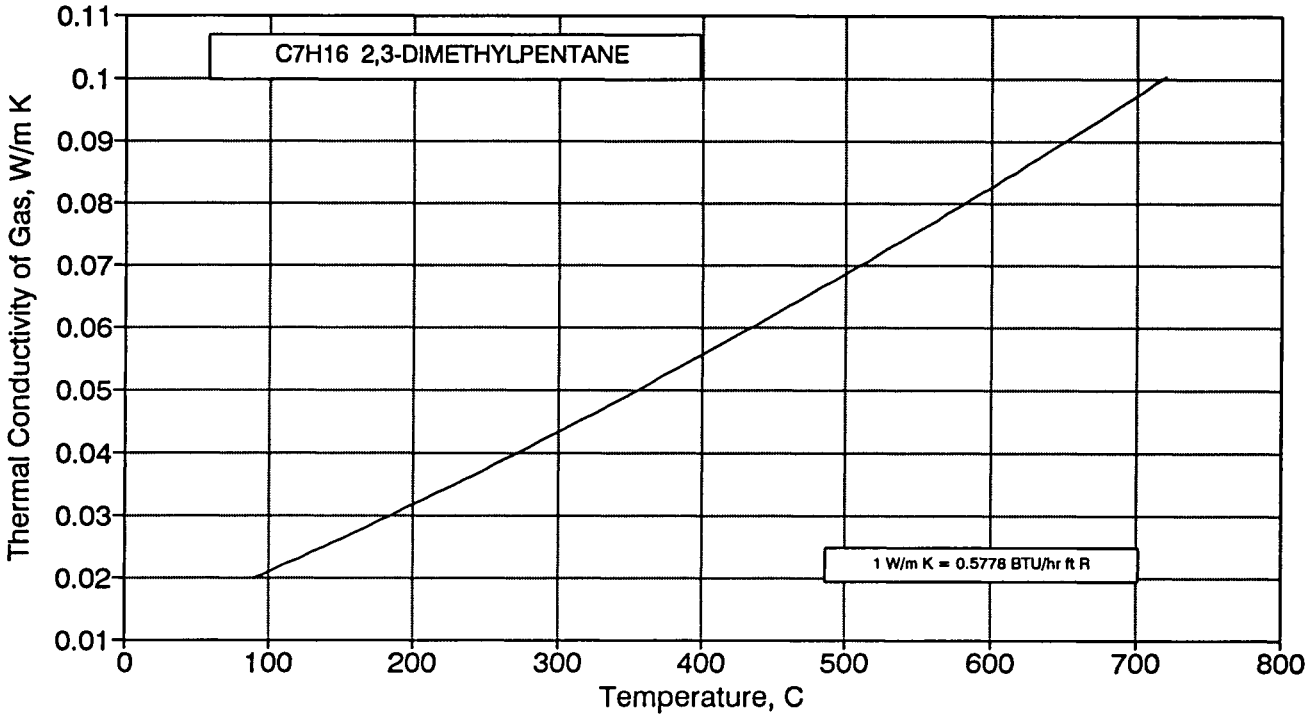

C7H15Br 1-BROMOHEPTANE
Thermal Conductivity of Liquid, W/m K
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
-100
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

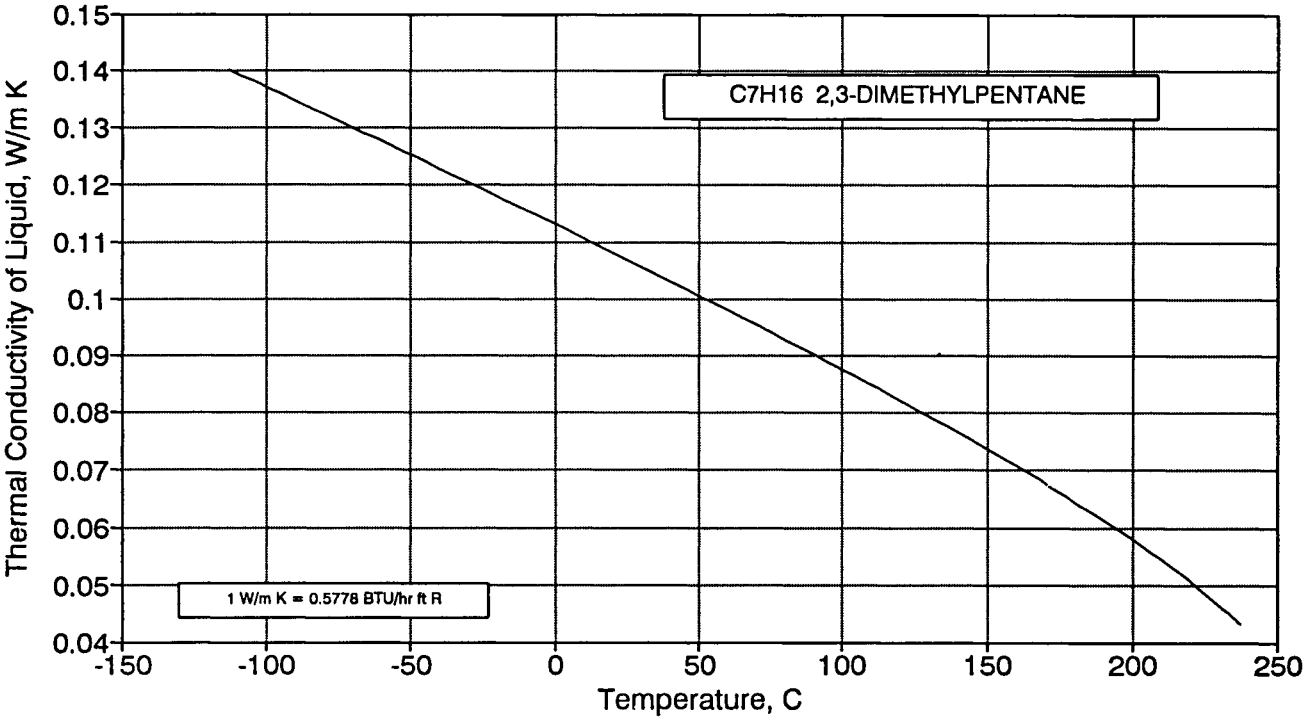

C7H15N N-METHYLCYCLOHEXYLAMINE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

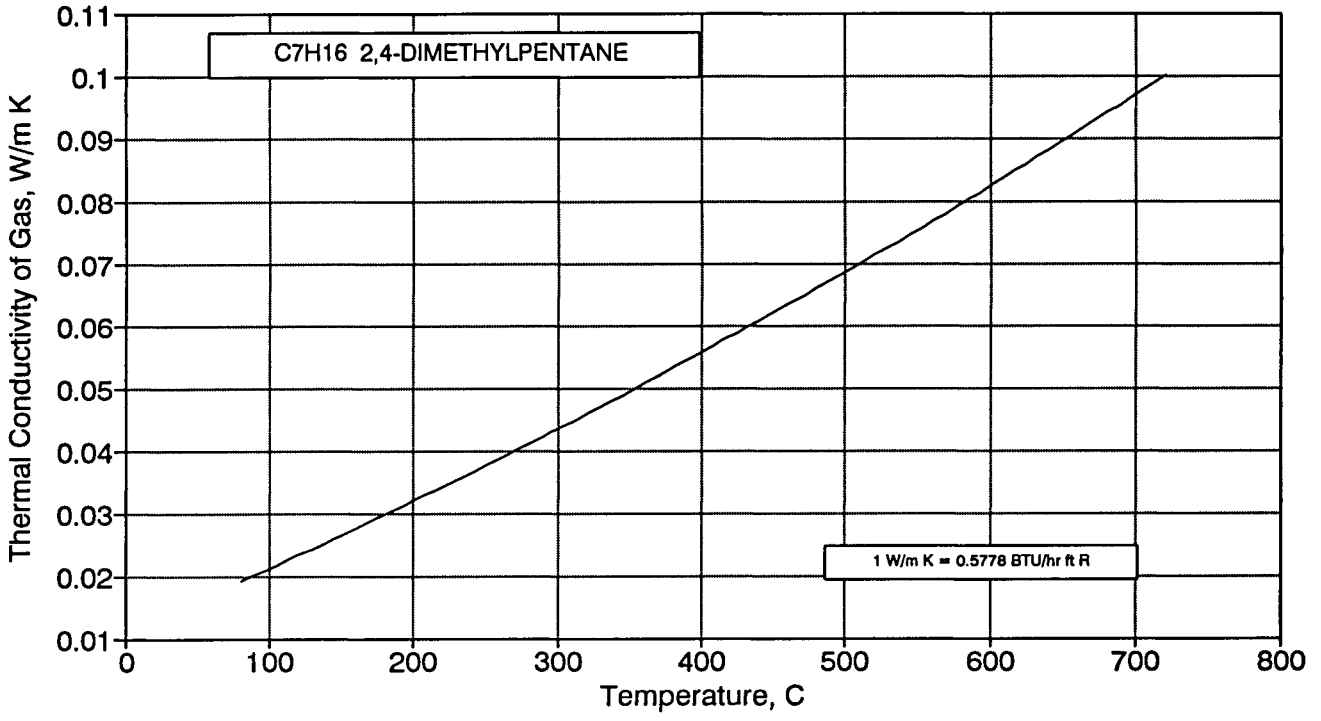

C7H15N N-METHYLCYCLOHEXYLAMINE
Thermal Conductivity of Liquid, W/m K
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

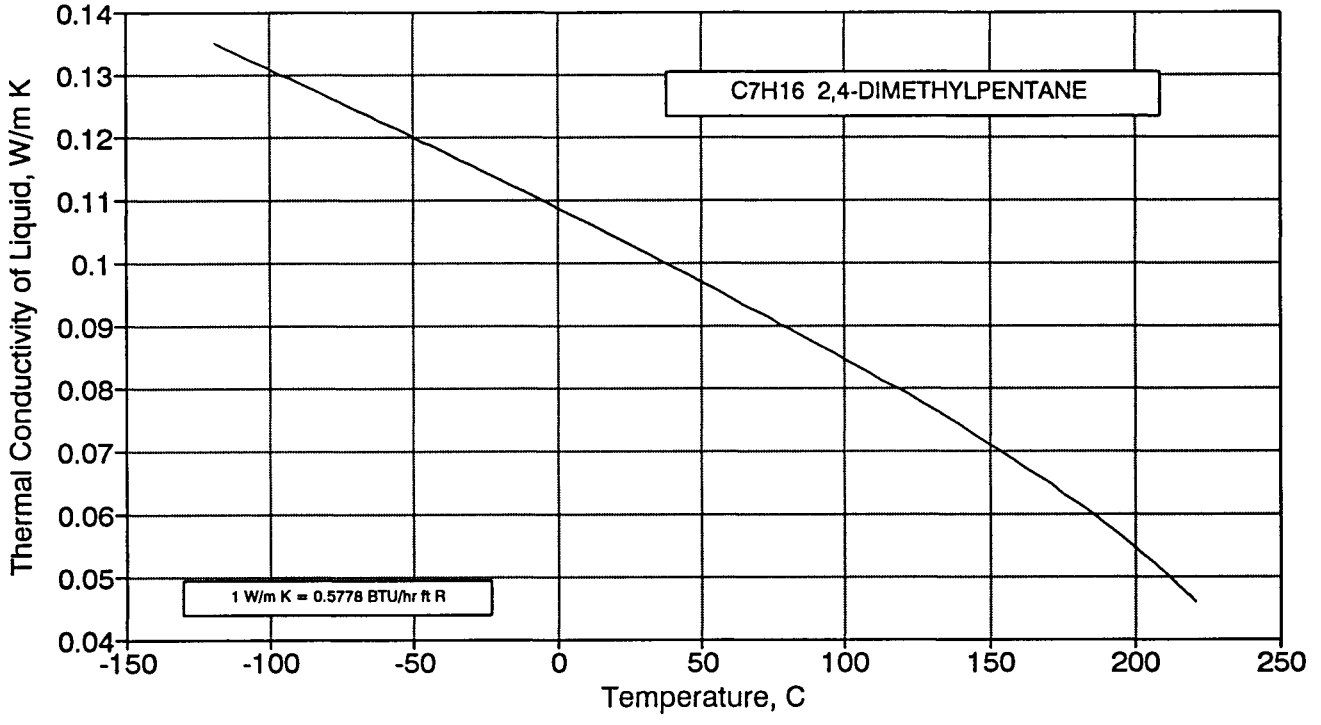

C7H16 2,2-DIMETHYLPENTANE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

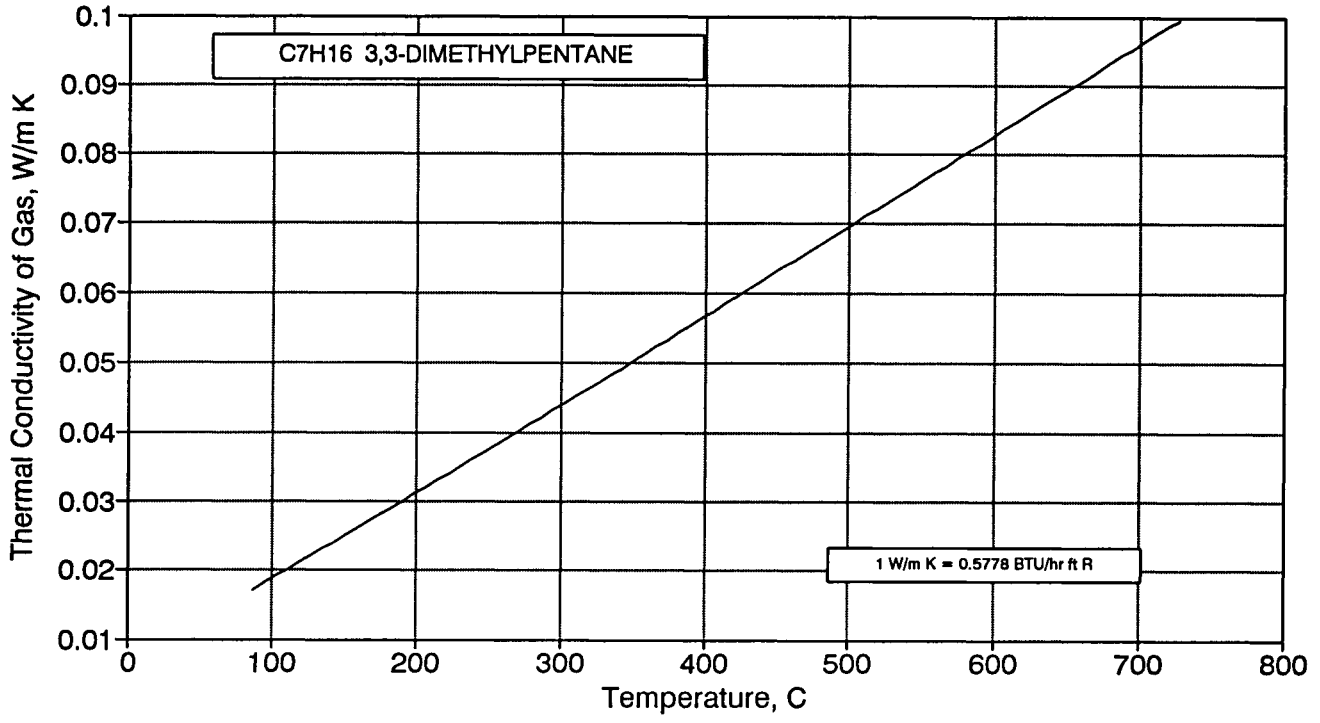

C7H16 2,2-DIMETHYLPENTANE
Thermal Conductivity of Liquid, W/m K
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

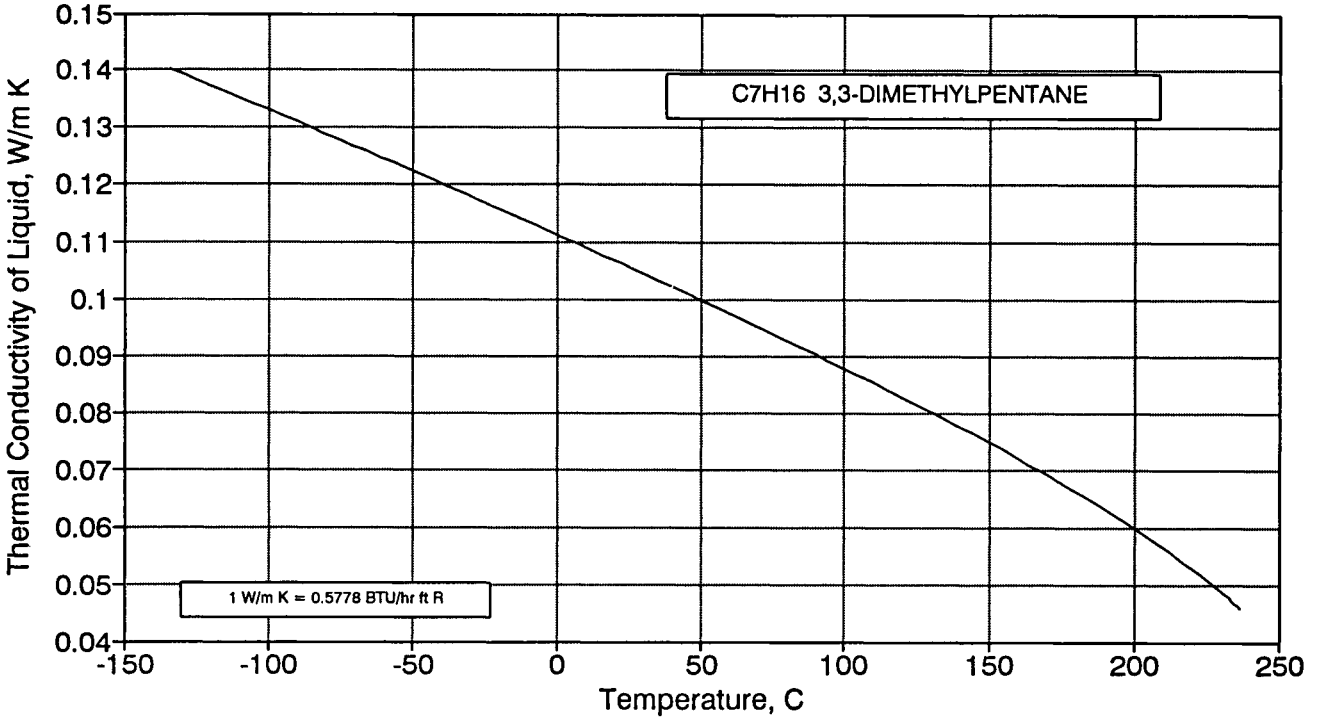

C7H16 2,3-DIMETHYLPENTANE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800

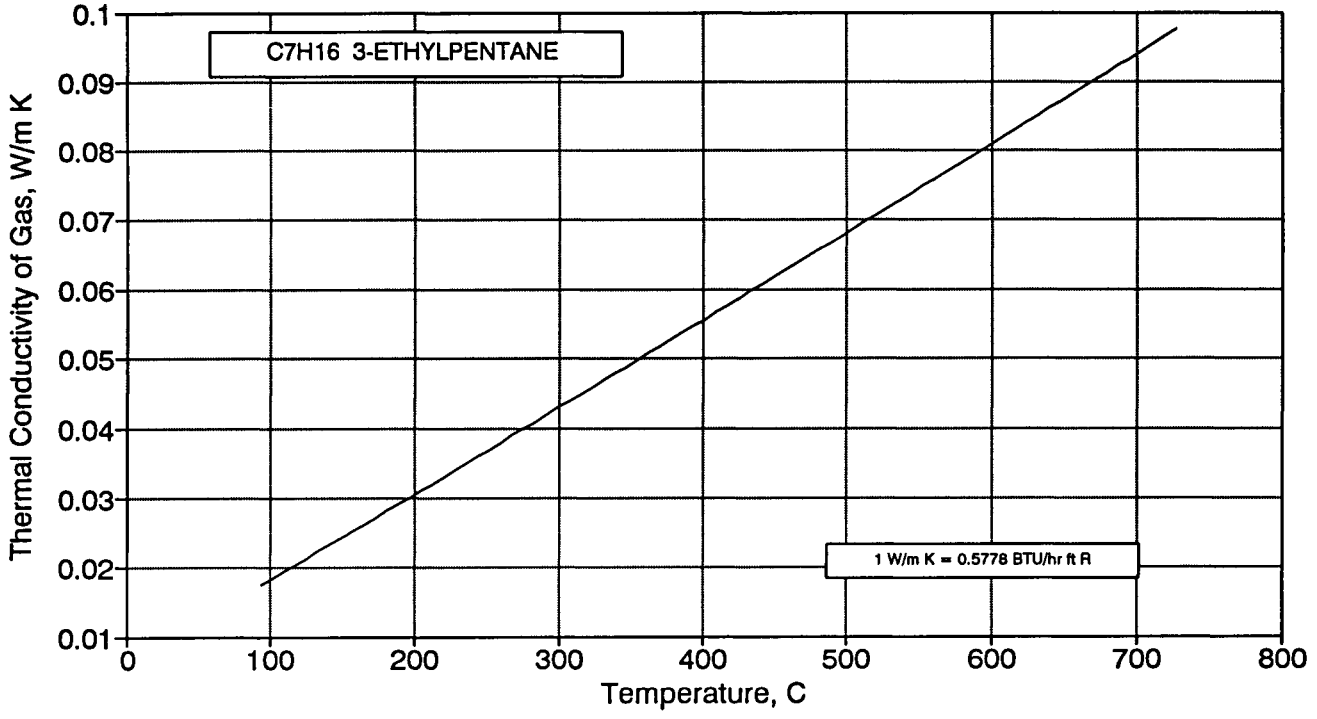

C7H16 2,3-DIMETHYLPENTANE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-150
-100
-50
0
50
100
150
200
250

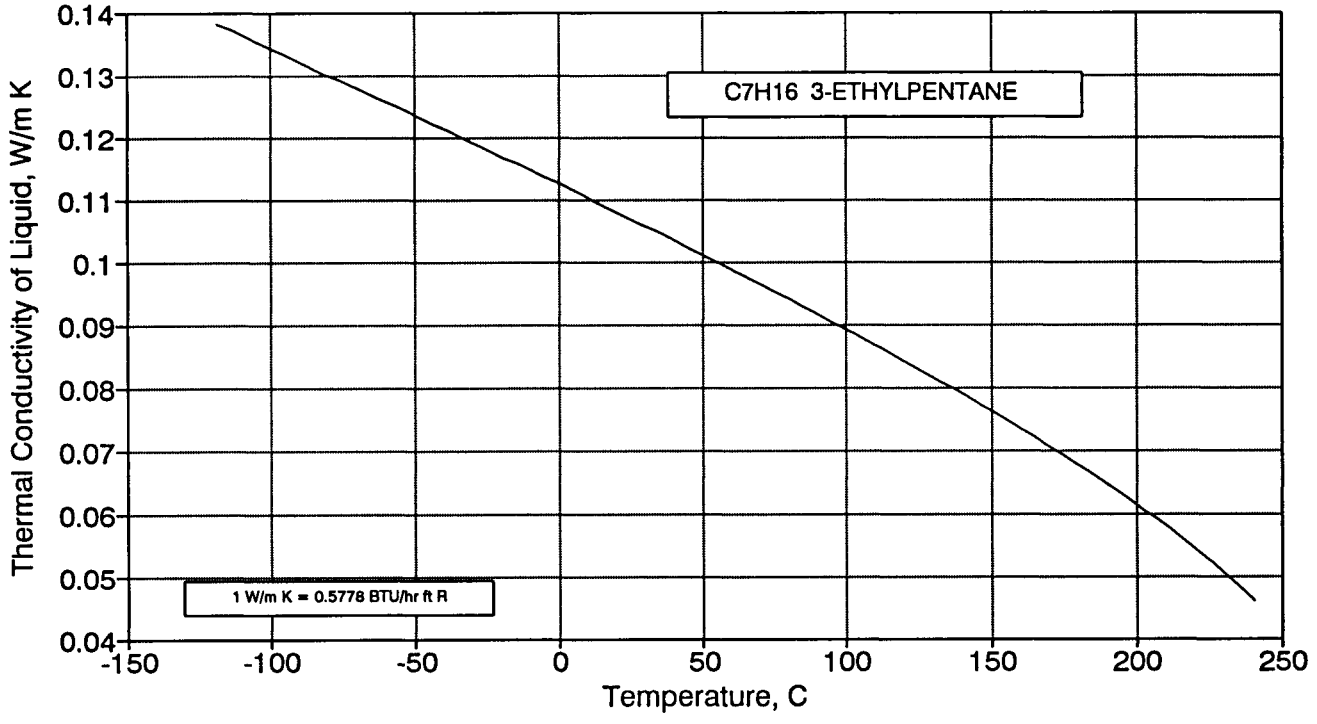

C7H16 2,4-DIMETHYLPENTANE
Thermal Conductivity of Gas, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
1 W/m K = 0.5778 BTU/hr ft R
0
100
200
300
400
500
600
700
800
Temperature, C

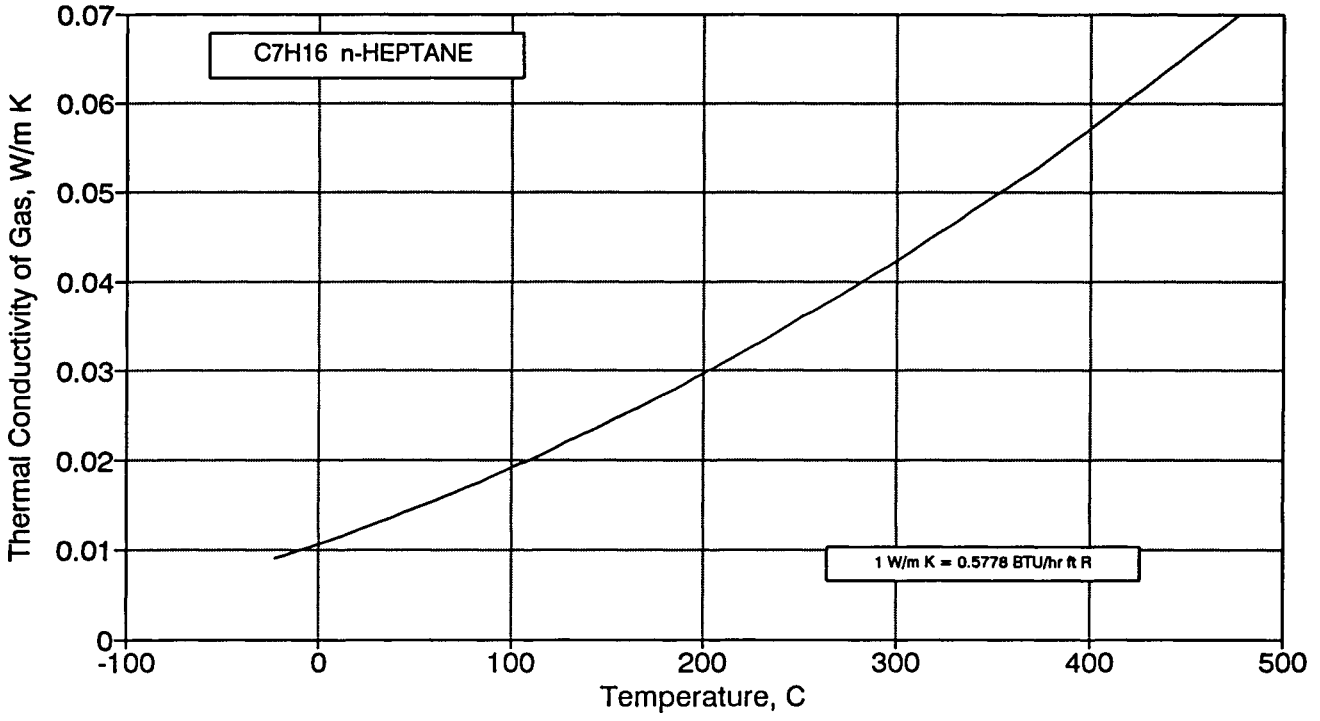

C7H16 2,4-DIMETHYLPENTANE
Thermal Conductivity of Liquid, W/m K
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
1 W/m K = 0.5778 BTU/hr ft R
-150
-100
-50
0
50
100
150
200
250
Temperature, C

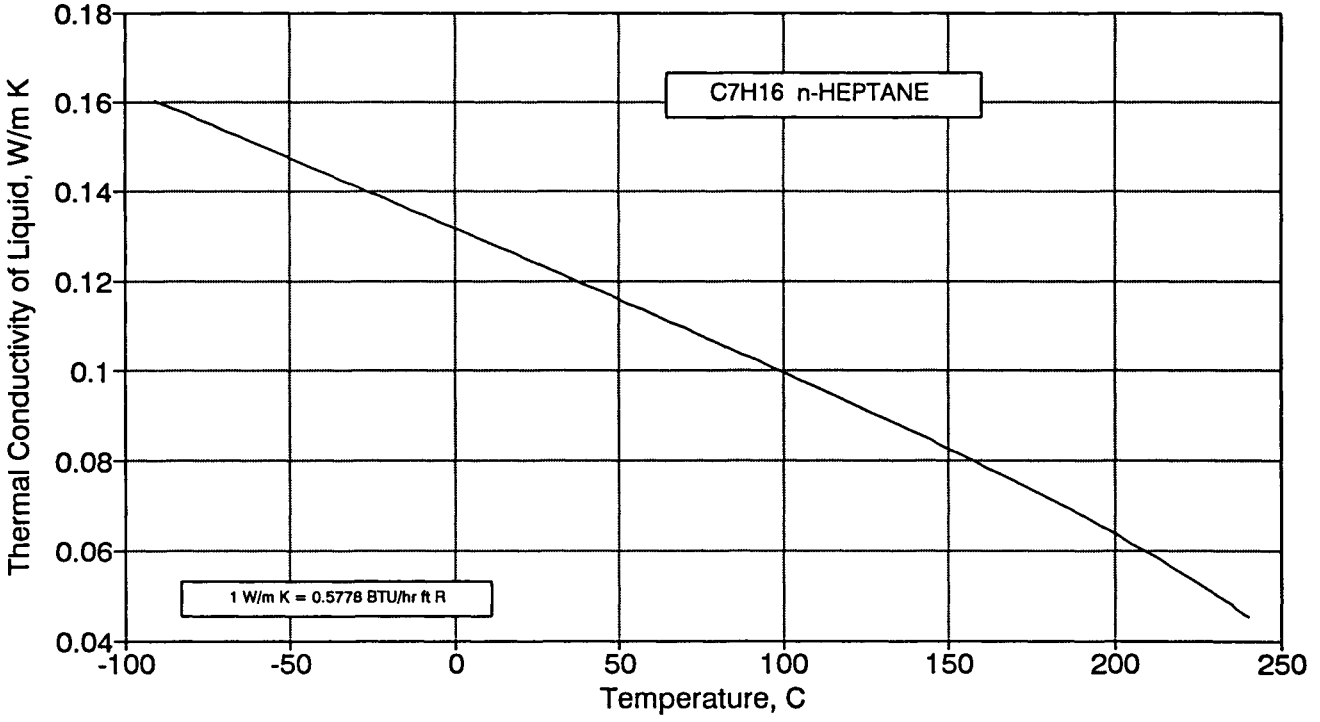

C7H16 3,3-DIMETHYLPENTANE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

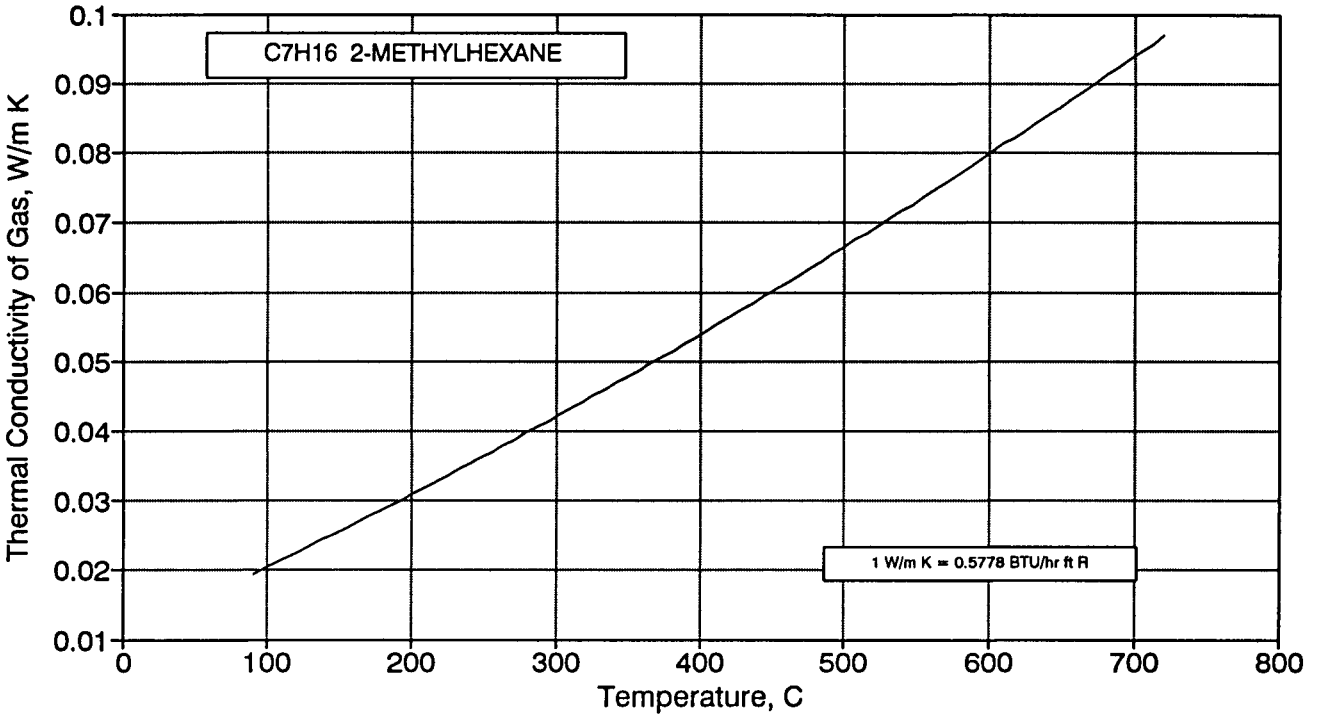

C7H16 3,3-DIMETHYLPENTANE
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

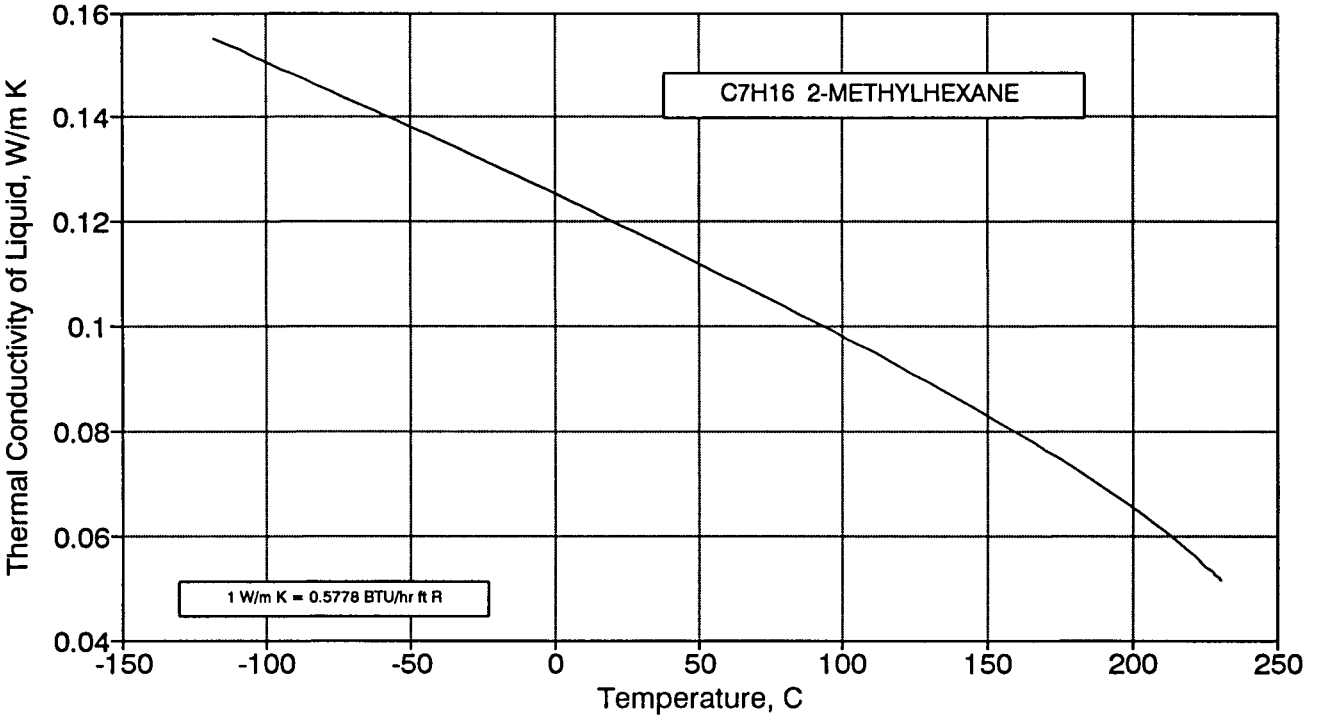

C7H16 3-ETHYLPENTANE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800

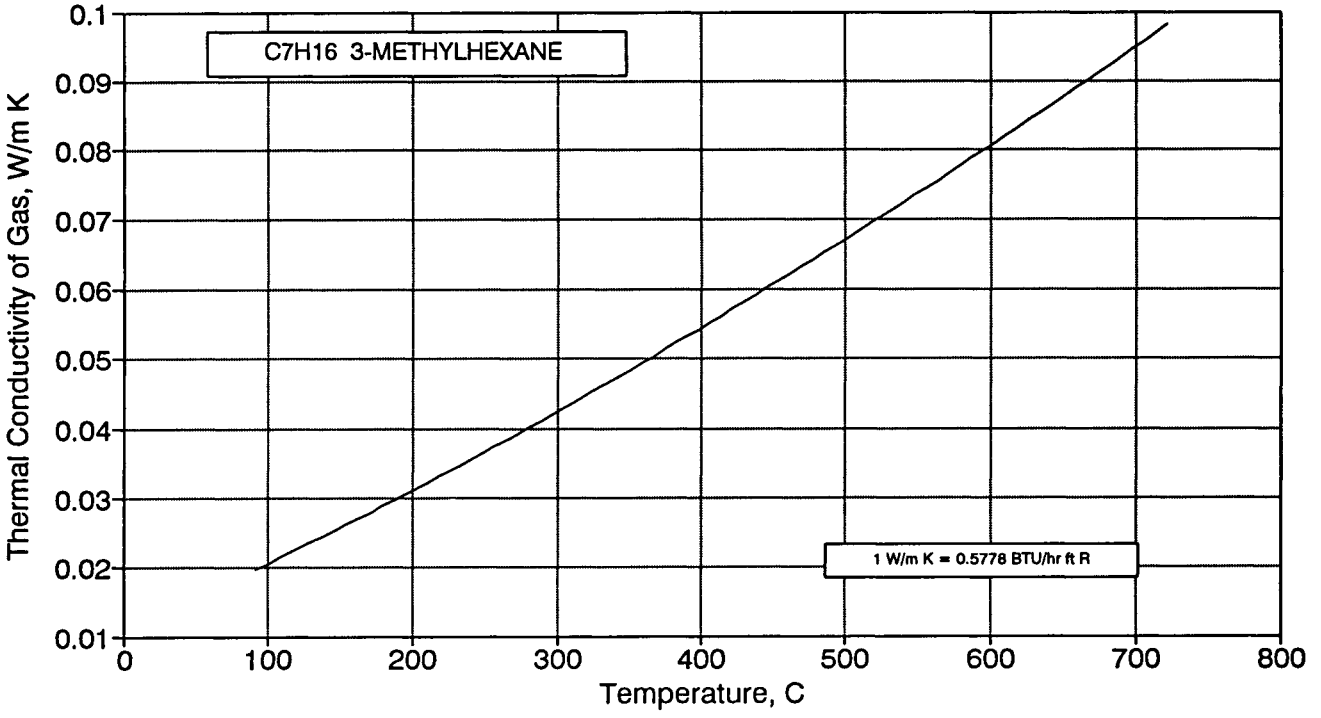

C7H16 3-ETHYLPENTANE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-150
-100
-50
0
50
100
150
200
250

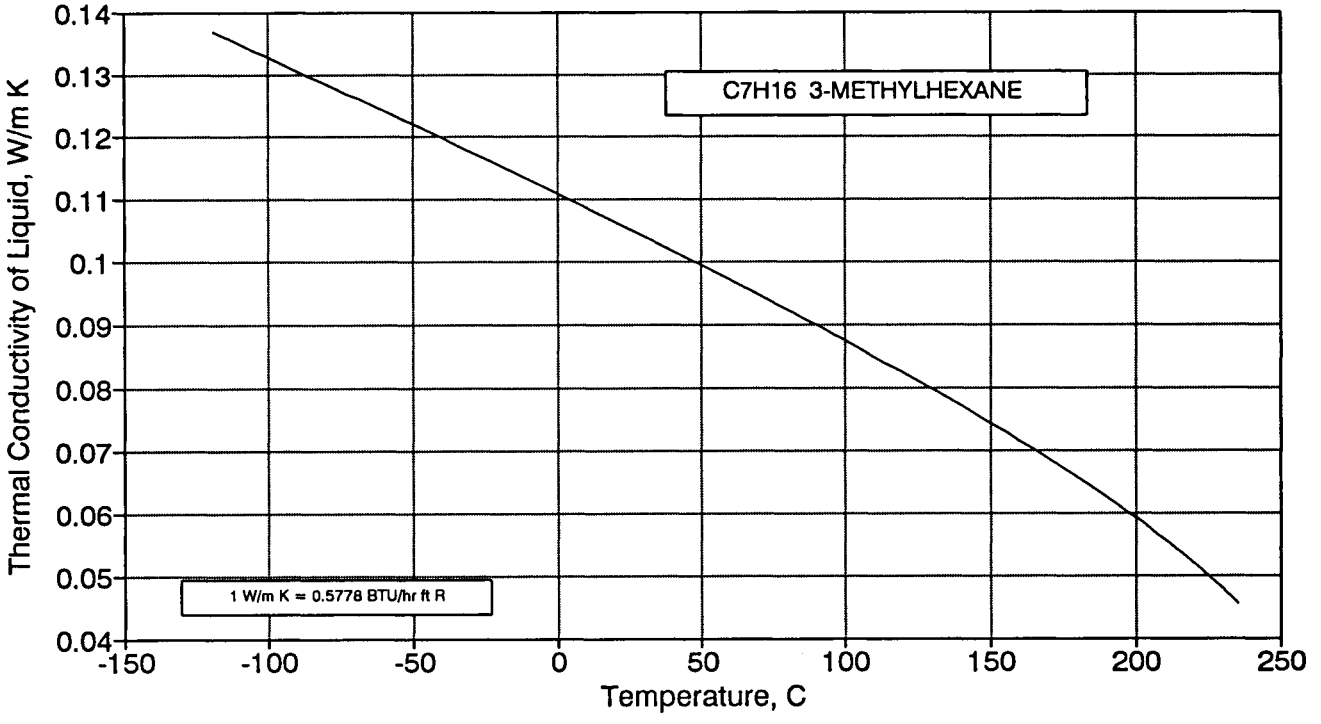

C7H16 n-HEPTANE
Thermal Conductivity of Gas, W/m K
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
-100
0
100
200
300
400
500
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

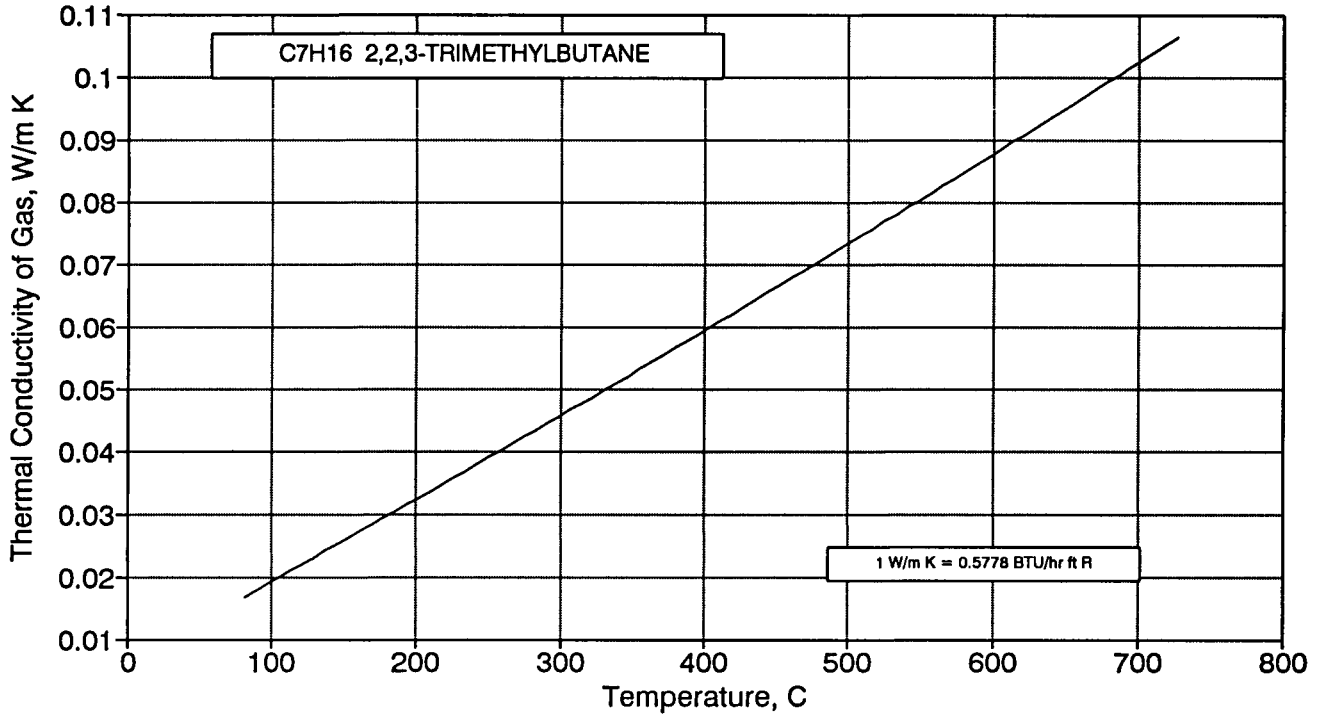

C7H16 n-HEPTANE
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

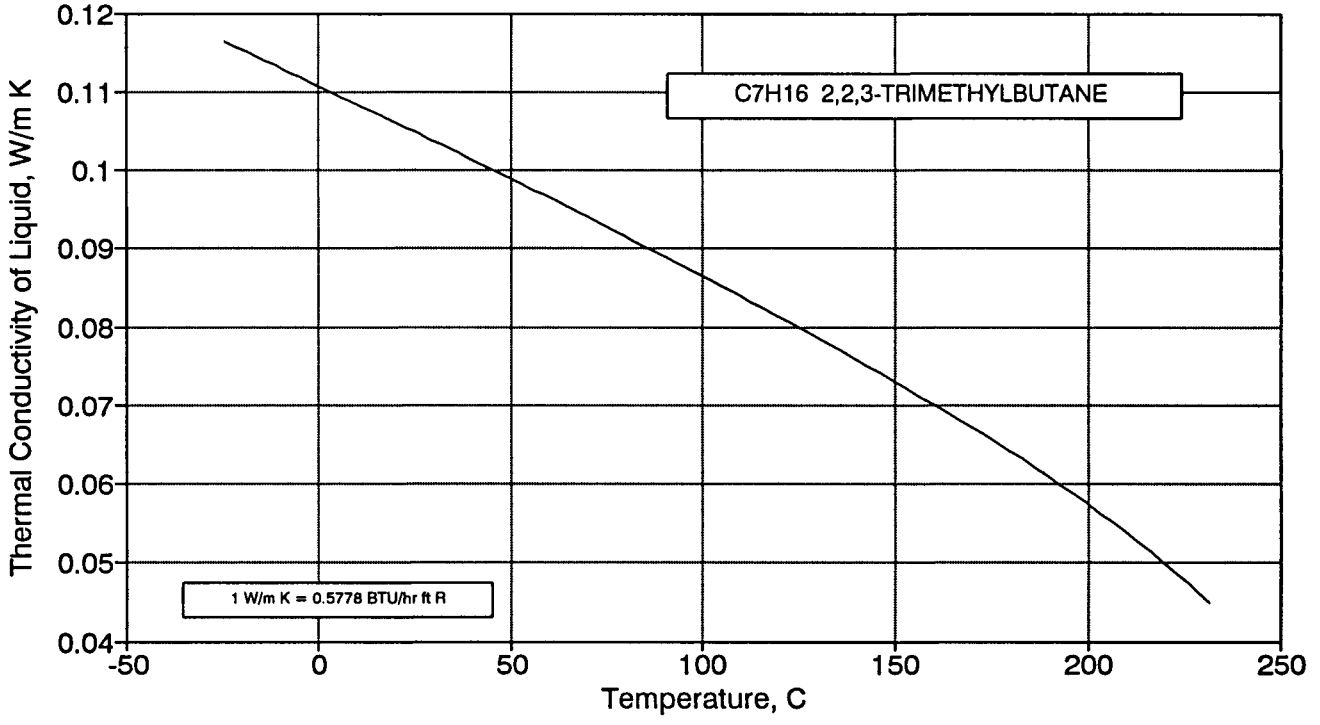

C7H16 2-METHYLHEXANE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

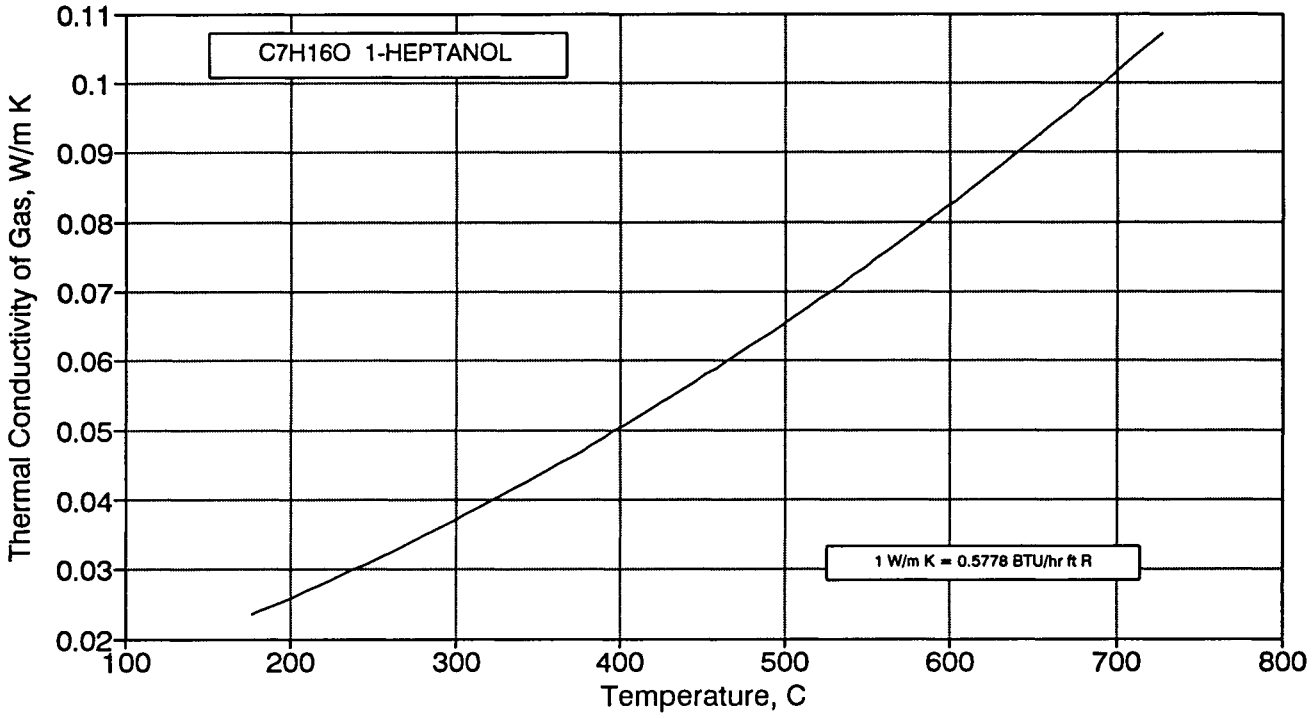

C7H16 2-METHYLHEXANE
Thermal Conductivity of Liquid, W/m K
0.16
0.14
0.12
0.1
0.08
0.06
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

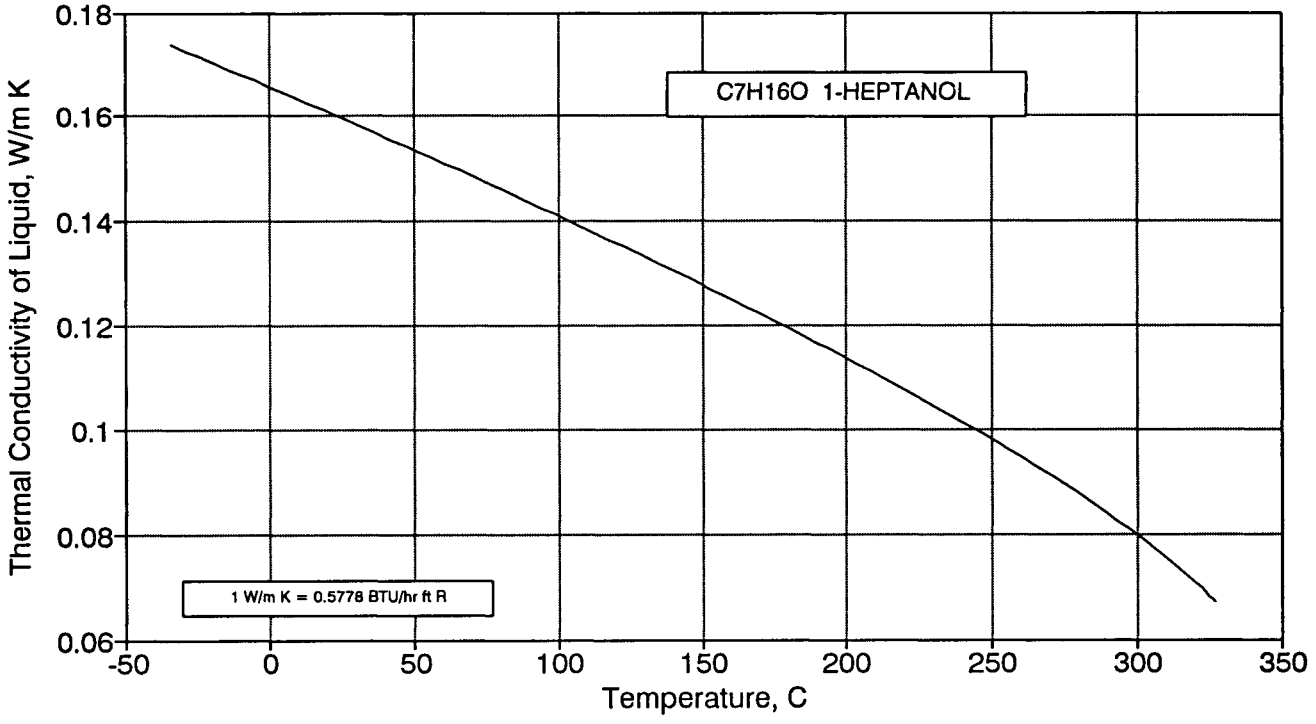

C7H16 3-METHYLHEXANE
Thermal Conductivity of Gas, W/m K
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

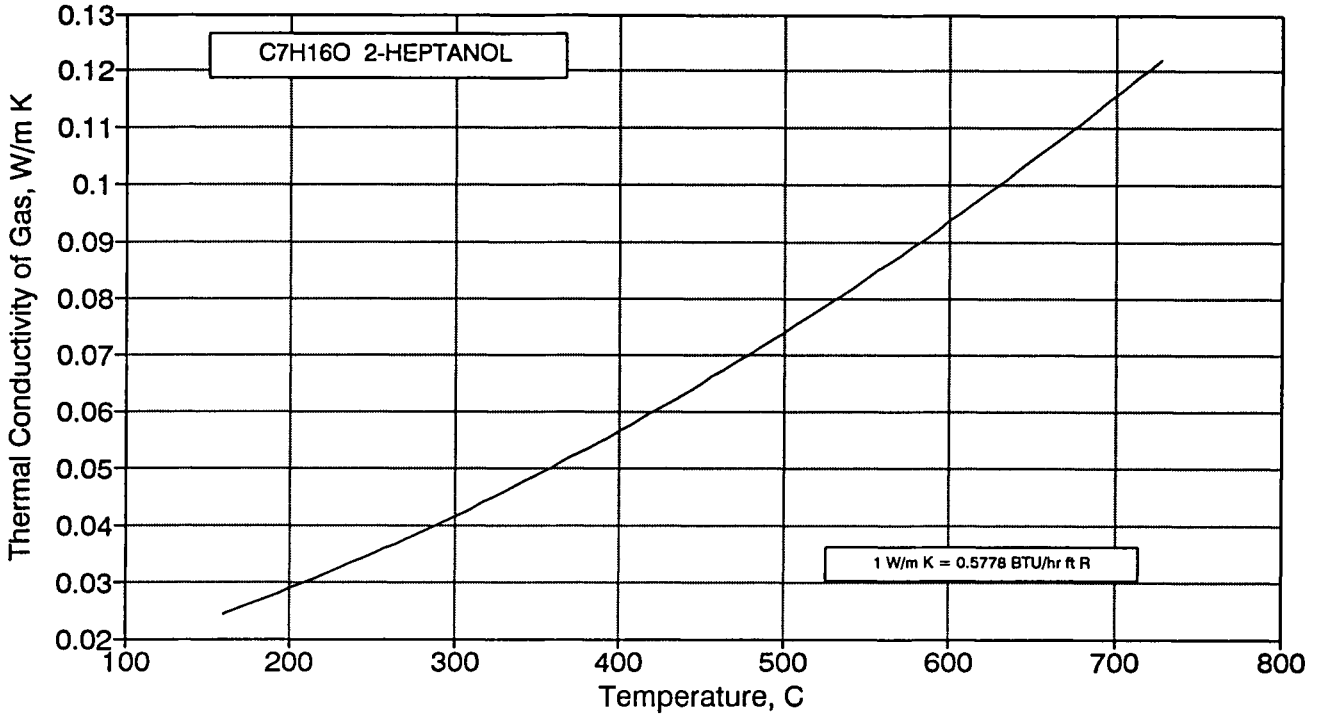

C7H16 3-METHYLHEXANE
Thermal Conductivity of Liquid, W/m K
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-150
-100
-50
0
50
100
150
200
250
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

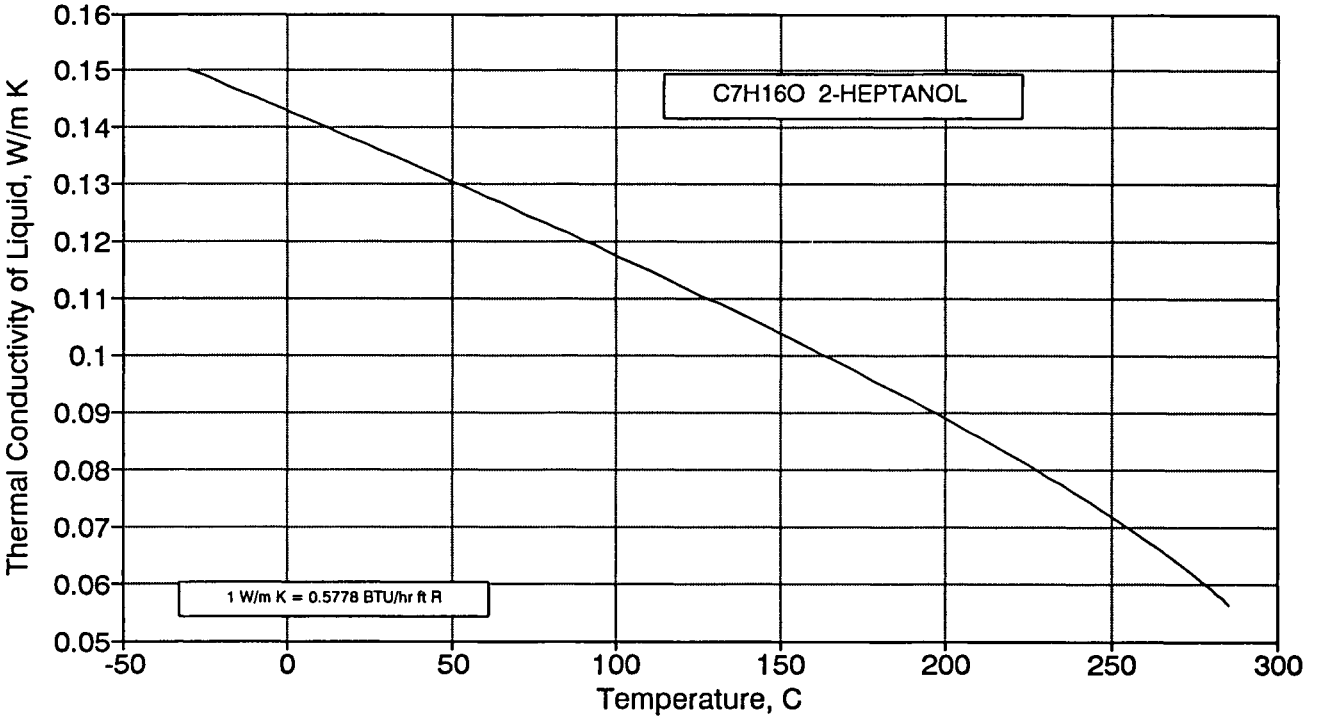

C7H16 2,2,3-TRIMETHYLBUTANE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
200
300
400
500
600
700
800

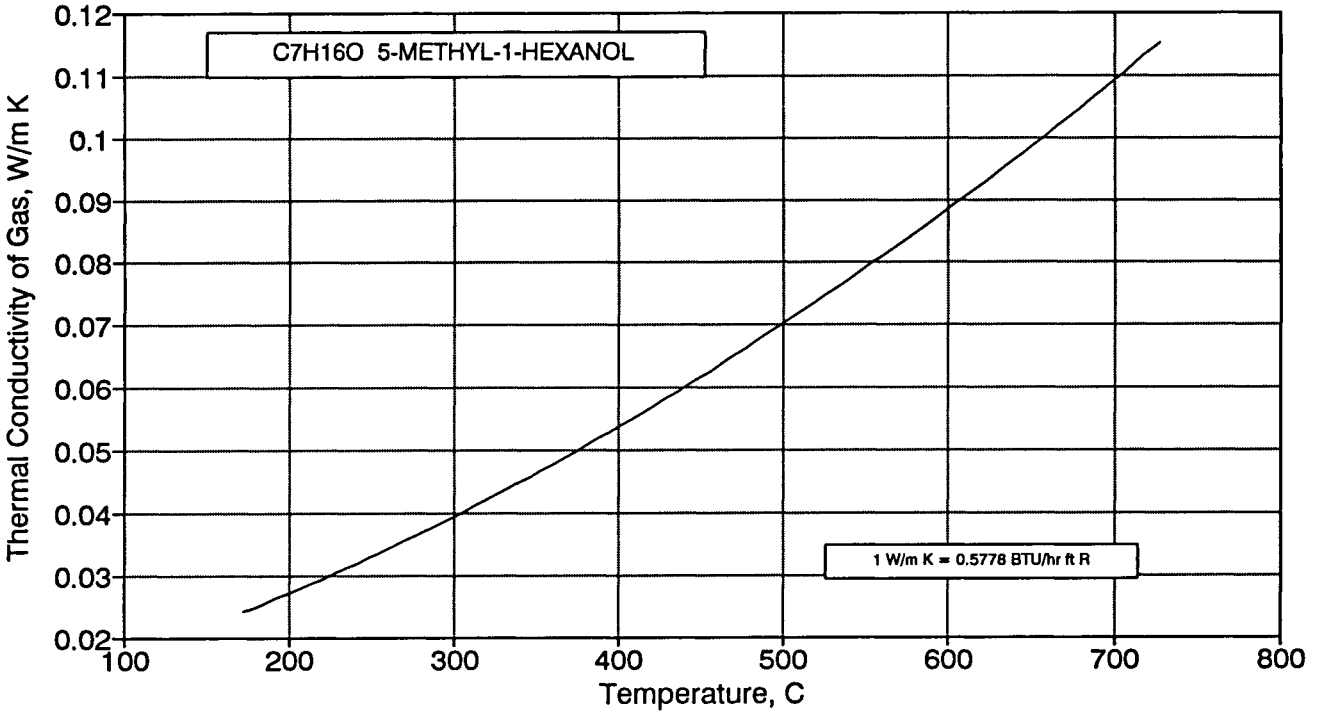

C7H16 2,2,3-TRIMETHYLBUTANE
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
-50
0
50
100
150
200
250

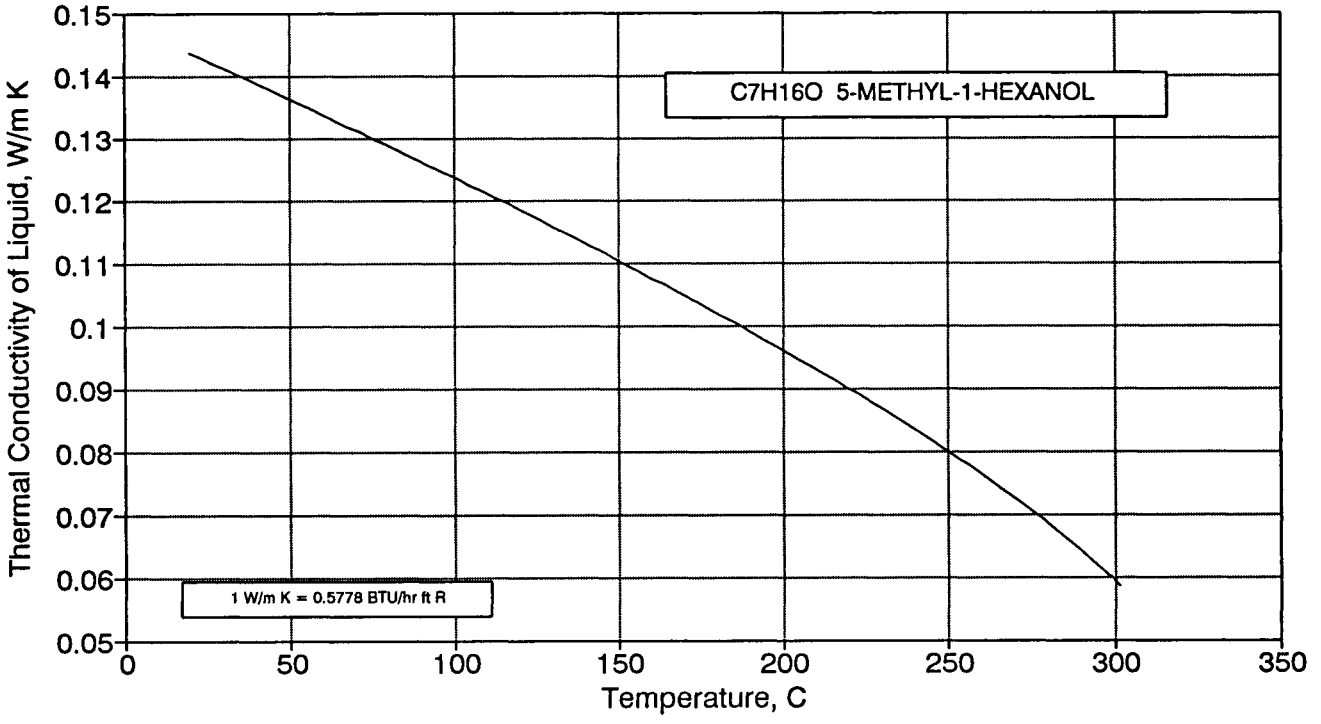

C7H16O 1-HEPTANOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800
Temperature, C

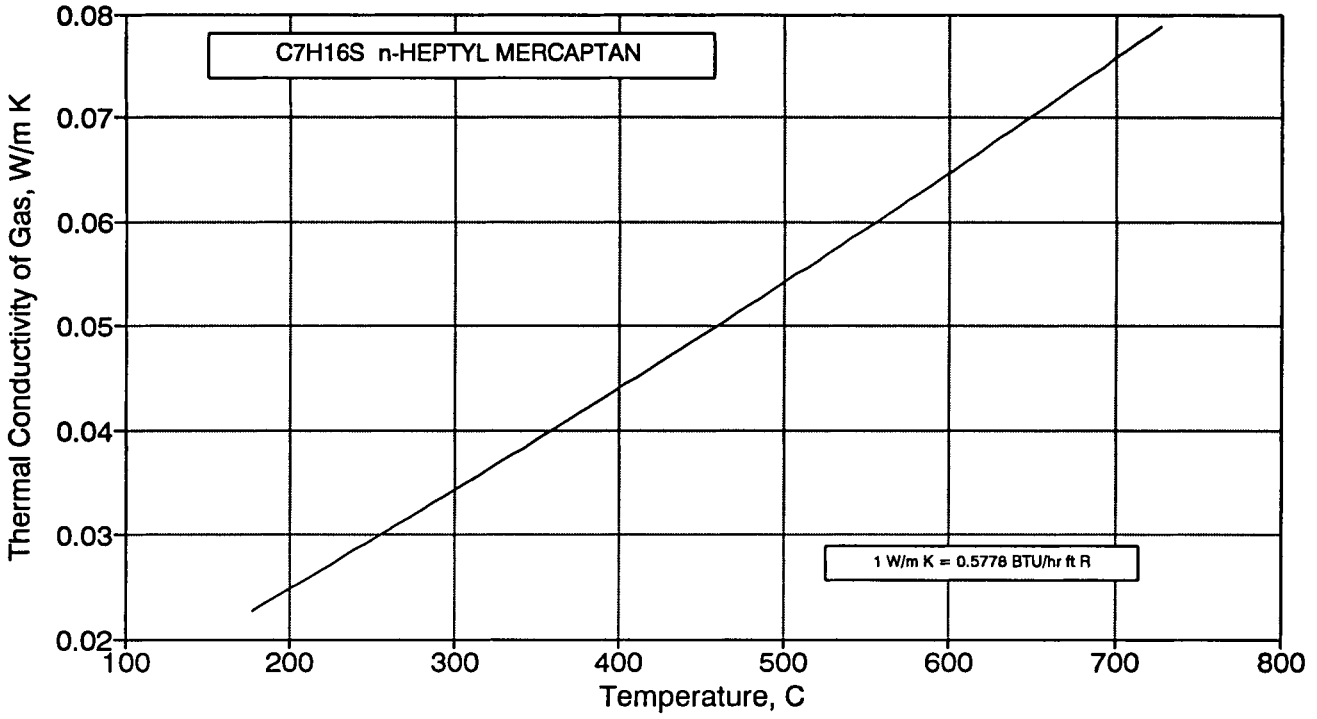

C7H16O 1-HEPTANOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.18
0.16
0.14
0.12
0.1
0.08
0.06
-50
0
50
100
150
200
250
300
350
Temperature, C

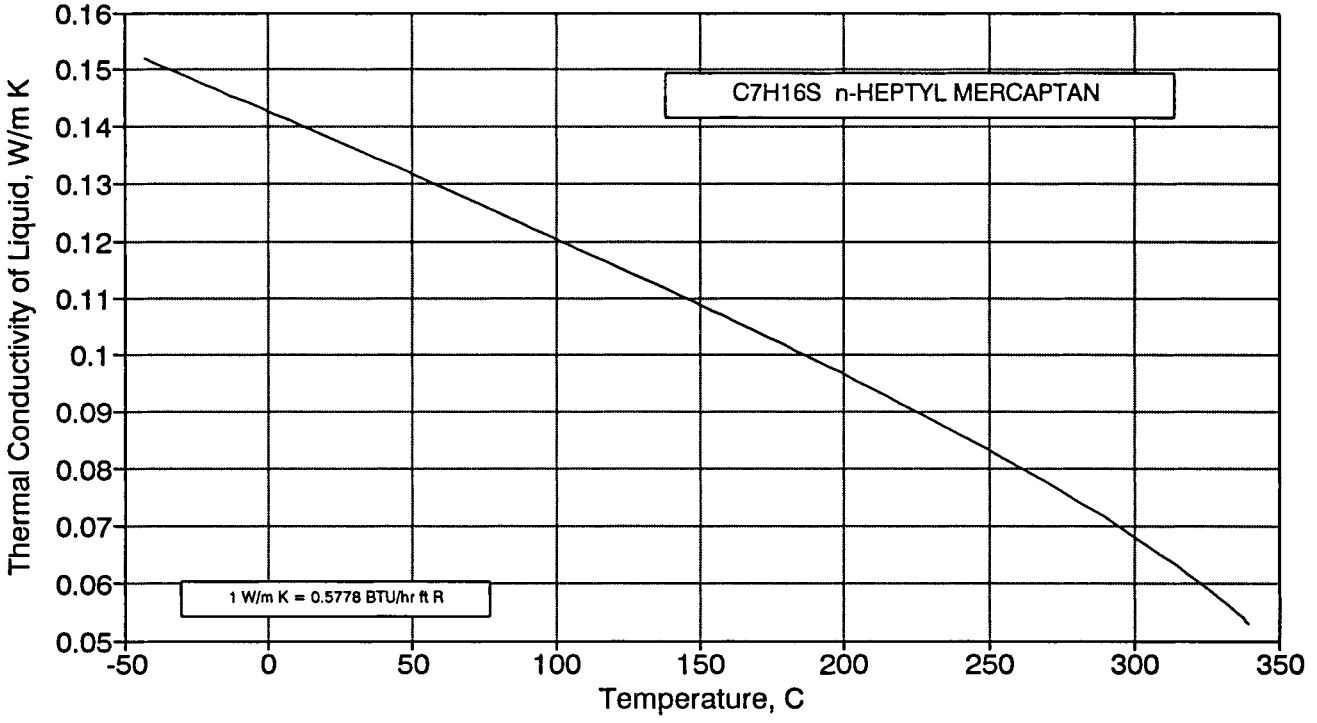

C7H16O 2-HEPTANOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
Temperature, C
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800

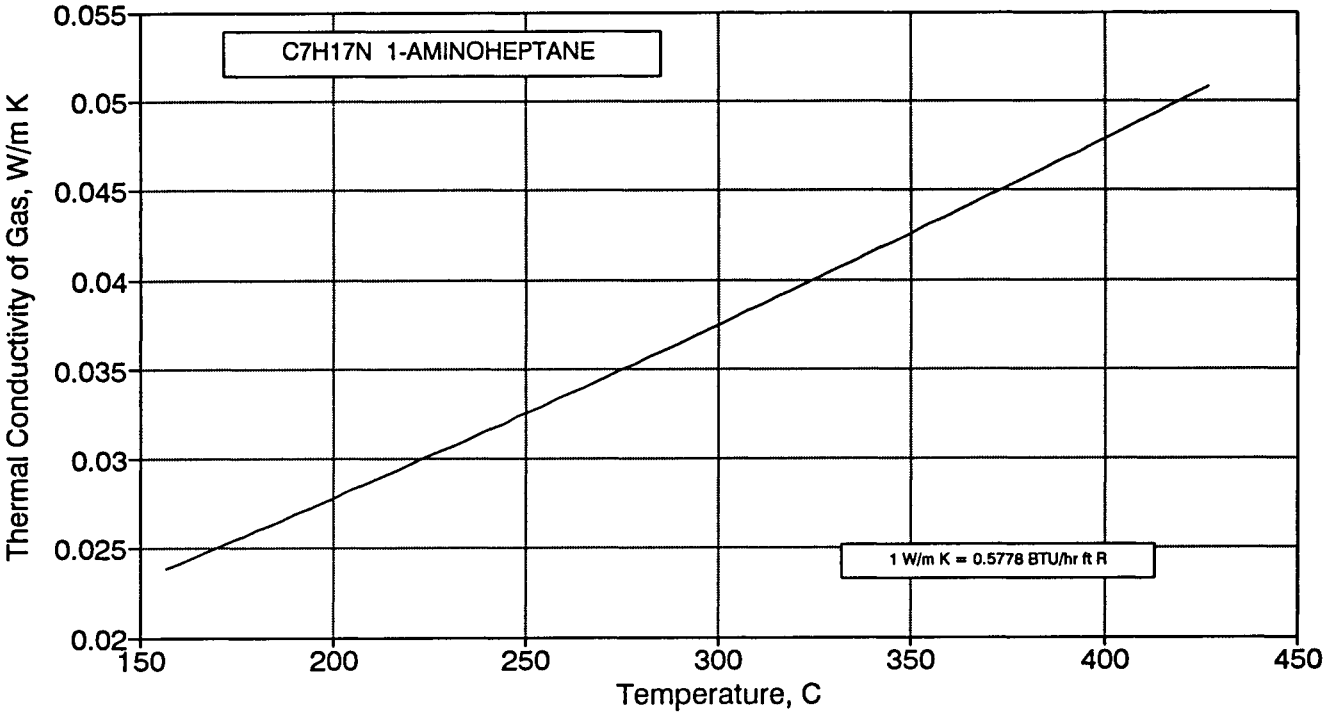

C7H16O 2-HEPTANOL
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
Temperature, C
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
-50
0
50
100
150
200
250
300

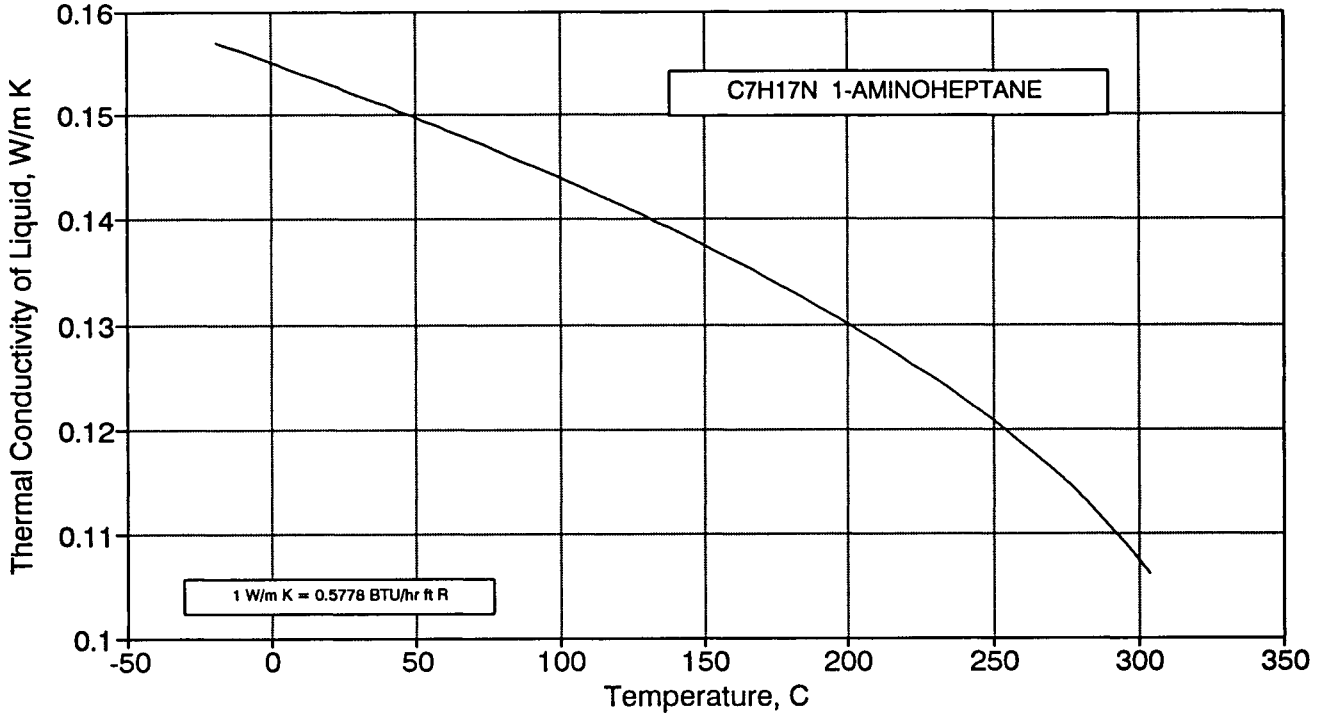

C7H16O 5-METHYL-1-HEXANOL
Thermal Conductivity of Gas, W/m K
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C7H16O 5-METHYL-1-HEXANOL
Thermal Conductivity of Liquid, W/m K
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C7H16S n-HEPTYL MERCAPTAN
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Gas, W/m K
0.08
0.07
0.06
0.05
0.04
0.03
0.02
100
200
300
400
500
600
700
800
Temperature, C


C7H16S n-HEPTYL MERCAPTAN
1 W/m K = 0.5778 BTU/hr ft R
Thermal Conductivity of Liquid, W/m K
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
0.06
0.05
-50
0
50
100
150
200
250
300
350
Temperature, C


C7H17N 1-AMINOHEPTANE
Thermal Conductivity of Gas, W/m K
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
150
200
250
300
350
400
450
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R


C7H17N 1-AMINOHEPTANE
Thermal Conductivity of Liquid, W/m K
0.16
0.15
0.14
0.13
0.12
0.11
0.1
-50
0
50
100
150
200
250
300
350
Temperature, C
1 W/m K = 0.5778 BTU/hr ft R

REFERENCES

1. API Research Project No. 44, SELECTED VALUES OF PHYSICAL AND THERMODYNAMIC PROPERTIES OF HYDROCARBONS AND RELATED COMPOUNDS, Carnegie Press, Carnegie Institute of Technology, Pittsburgh, PA (1953).
2. SELECTED VALUES OF PROPERTIES OF HYDROCARBONS AND RELATED COMPOUNDS, Thermodynamics Research Center, TAMU, College Station, TX (1977, 1984).
3. SELECTED VALUES OF PROPERTIES OF CHEMICAL COMPOUNDS, Thermodynamics Research Center, TAMU, College Station, TX (1977, 1987).
4. TECHNICAL DATA BOOK - PETROLEUM REFINING, Vol. I and II, American Petroleum Institute, Washington, DC (1972, 1977, 1982).
5. Daubert, T. E. and R. P. Danner, DATA COMPILATION OF PROPERTIES OF PURE COMPOUNDS, Parts 1, 2, 3 and 4, Supplements 1 and 2, DIPPR Project, AIChE, New York, NY (1985-1992).
6. Ambrose, D., VAPOUR-LIQUID CRITICAL PROPERTIES, National Physical Laboratory, Teddington, England, NPL Report Chem 107 (Feb., 1980).
7. Simmrock, K. H., R. Janowsky and A. Ohnsorge, CRITICAL DATA OF PURE SUBSTANCES, Vol. II, Parts 1 and 2, Dechema Chemistry Data Series, 6000 Frankfurt/Main, Germany (1986).
8. INTERNATIONAL CRITICAL TABLES, McGraw-Hill, New York, NY (1926).
9. Maxwell, J. B., DATA BOOK ON HYDROCARBONS, D. Van Nostrand, Princeton. NJ (1958).
10. Egloff, G., PHYSICAL CONSTANTS OF HYDROCARBONS, Vols. 1-6, Reinhold Publishing Corp., New York, NY (1939-1947).
11. Braker, W. and A. L. Mossman, MATHESON GAS DATA BOOK, 6th ed., Matheson Gas Products, Secaucaus, NJ (1980).
12. CRC HANDBOOK OF CHEMISTRY AND PHYSICS, 66th - 74th eds., CRC Press, Inc., Boca Raton, FL (1985-1993).
13. LANGE'S HANDBOOK OF CHEMISTRY, 13th and 14th eds., McGraw-Hill, New York, NY (1985, 1992).
14. PERRY'S CHEMICAL ENGINEERING HANDBOOK, 6th ed., McGraw-Hill, New York, NY (1984).
15. Kaye, G. W. C. and T. H. Laby, TABLES OF PHYSICAL AND CHEMICAL CONSTANTS, Longman Group Limited, London, England (1973).
16. Raznjevic, Kuzman, HANDBOOK OF THERMODYNAMIC TABLES AND CHARTS, Hemisphere Publishing Corporation, New York, NY (1976).
17. Vargaftik, N. B., TABLES ON THE THERMOPHYSICAL PROPERTIES OF LIQUIDS AND GASES, 2nd ed., English translation, Hemisphere Publishing Corporation, New York, NY (1975, 1983).
18. Timmermans, J., PHYSICO-CHEMICAL CONSTANTS OF PURE ORGANIC COMPOUNDS, Vol. 1 and 2, Elsevier, New York, NY (1950,1965).
19. Ho, C. Y., P. E. Liley, T. Makita and Y. Tanaka, PROPERTIES OF INORGANIC AND ORGANIC FLUIDS, Hemisphere Publishing Corporation, New York, NY (1988).
20. Tsederberg, N. V., THERMAL CONDUCTIVITY OF GASES AND LIQUIDS, R. D. Cess, editor, MIT Press, Cambridge, MA (1965).
21. Vargaftik, N. B., L. P. Filippov, A. A. Tarzimanov and E. E. Totskiy, THERMAL CONDUCTIVITY OF GASES AND LIQUIDS, Standards Press, Moscow, USSR (1978).
22. Landolt-Bornstein, ZAHLENWERTE UND FUNKIONEN ANS PHYSIK, CHEMEI, ASTRONOMIE UND TECHNIK, 6th ed., Springer-Verlag, Berlin, Germany (1972).
23. Touloukian, Y. S., P. E. Liley and S. C. Saxena, THERMOPHYSICAL PROPERTIES OF MATTER, Vol. 11 - Viscosity, IFI/Plenum Press, New York, NY (1974).
24. Lyman, W. J., W. F. Reehl and D. H. Rosenblatt, HANDBOOK OF CHEMICAL PROPERTY

ESTIMATION METHODS, McGraw-Hill, New York, NY (1982).
25. Reid, R. C., J. M. Prausnitz and B. E. Poling, THE PROPERTIES OF GASES AND LIQUIDS, 3rd ed. (R. C. Reid and T. K. Sherwood), 4th ed., McGraw-Hill, New York, NY (1977, 1987).
26. Kirk, R. E. and D. F. Othmer, editors, ENCYCLOPEDIA OF CHEMICAL TECHNOLOGY, 3rd ed., Vols. 1-24, John Wiley and Sons, Inc., New York, NY (1978-1984).
27. Beaton, C. F. and G. F. Hewitt, PHYSICAL PROPERTY DATA FOR THE DESIGN ENGINEER, Hemisphere Publishing Corporation, New York, NY (1989).
28. Yaws, C. L., PHYSICAL PROPERTIES, McGraw-Hill, New York, NY (1977).
29. Yaws, C. L., THERMODYNAMIC AND PHYSICAL PROPERTY DATA, Gulf Publishing Co., Houston, TX (1992).
30. Yaws, C. L. and R. W. Gallant, PHYSICAL PROPERTIES OF HYDROCARBONS, Vols. 1 (2nd ed.), 2 (3rd ed.) and 3 (1st ed.), Gulf Publishing Co., Houston, TX (1992, 1993, 1993).

Appendix A

COEFFICIENTS FOR LIQUID THERMAL CONDUCTIVITY EQUATION*

Carl L. Yaws, Xiaoyan Lin, Li Bu and Sachin Nijhawan
Lamar University, Beaumont, Texas

$\log_{10} \lambda_{liq} = A + B\,[1-T/C]^{2/7}$ (λ_{liq} - W/m K, T - K)

NO	FORMULA	NAME	A	B	C	TMIN	TMAX	λ_{liq} @ 25 C
1	C5Cl6	HEXACHLOROCYCLOPENTADIENE	-2.0979	1.0017	746.00	284	709	0.0586
2	C5H4O2	FURFURAL	-1.3650	0.7132	657.00	237	624	0.1718
3	C5H5N	PYRIDINE	-1.2083	0.5146	619.95	232	589	0.1653
4	C5H6	CYCLOPENTADIENE	-1.6475	0.9973	507.00	188	482	0.1338
5	C5H6	2-METHYL-1-BUTENE-3-YNE	-1.6815	0.9844	492.00	160	467	0.1183
6	C5H6	1-PENTENE-3-YNE	-1.6450	0.9830	520.00	150	494	0.1336
7	C5H6	1-PENTENE-4-YNE	-1.6388	0.9803	503.00	150	478	0.1317
8	C5H6N2	GLUTARONITRILE	-1.5769	0.9950	782.00	244	743	0.1952
9	C5H6O2	FURFURYL ALCOHOL	-1.5466	0.9860	632.00	259	600	0.1884
10	C5H6O3	GLUTARIC ANHYDRIDE	-1.6387	1.0022	838.00	328	796	---
11	C5H6O4	CITRACONIC ACID	-1.5583	0.9722	829.00	356	788	---
12	C5H6O4	ITACONIC ACID	-1.5617	0.9687	821.00	439	780	---
13	C5H7N	N-METHYLPYRROLE	-1.6575	0.9879	610.00	217	580	0.1439
14	C5H7NO2	ETHYL CYANOACETATE	-1.6092	1.0012	679.00	251	645	0.1736
15	C5H8	CYCLOPENTENE	-1.6455	0.9742	507.00	138	482	0.1290
16	C5H8	ISOPRENE	-1.7942	1.1542	484.00	127	460	0.1213
17	C5H8	3-METHYL-1,2-BUTADIENE	-1.6967	0.9872	490.00	160	466	0.1144
18	C5H8	1,2-PENTADIENE	-1.6591	0.9799	500.00	136	475	0.1250
19	C5H8	cis-1,3-PENTADIENE	-1.6566	0.9769	499.00	132	474	0.1249
20	C5H8	trans-1,3-PENTADIENE	-1.6774	0.9895	500.00	186	475	0.1220
21	C5H8	1,4-PENTADIENE	-1.6611	0.9748	479.00	125	455	0.1194
22	C5H8	2,3-PENTADIENE	-1.6589	0.9840	497.00	148	472	0.1255
23	C5H8	1-PENTYNE	-1.6530	0.9898	481.20	167	457	0.1253
24	C5H8	3-METHYL-1-BUTYNE	-1.6968	0.9963	463.20	183	440	0.1109
25	C5H8N4O12	PENTAERYTHRITOL TETRANITRATE	---	---	---	---	---	---
26	C5H8O	CYCLOPENTANONE	-1.5890	0.9910	626.00	222	595	0.1717
27	C5H8O	METHYL ISOPROPENYL KETONE	-1.6154	0.9767	566.00	220	538	0.1490
28	C5H8O2	ACETYLACETONE	-1.5987	0.9872	602.00	250	572	0.1634
29	C5H8O2	ALLYL ACETATE	-1.6316	1.0083	559.00	138	531	0.1511
30	C5H8O2	ETHYL ACRYLATE	-1.6195	0.9830	553.00	202	525	0.1473
31	C5H8O2	METHYL METHACRYLATE	-1.8863	1.3001	564.00	225	536	0.1453
32	C5H8O2	VINYL PROPIONATE	-1.6247	0.9733	546.00	250	519	0.1419
33	C5H8O3	2-HYDROXYETHYL ACRYLATE	-1.6645	0.9995	662.00	213	629	0.1506
34	C5H8O3	LEVULINIC ACID	-1.6097	0.9783	723.00	308	687	---
35	C5H8O3	METHYL ACETOACETATE	-2.0207	1.4479	642.00	193	610	0.1551
36	C5H8O4	GLUTARIC ACID	-1.5710	0.9737	807.00	371	767	---
37	C5H9N	VALERONITRILE	-1.5914	0.9869	603.00	177	573	0.1663
38	C5H9NO	n-BUTYL ISOCYANATE	-1.6928	0.9947	568.00	193	540	0.1292
39	C5H9NO	N-METHYL-2-PYRROLIDONE	-1.1284	0.4817	724.00	249	688	0.1930
40	C5H9NO4	L-GLUTAMIC ACID	---	---	---	---	---	---
41	C5H10	CYCLOPENTANE	-1.6175	0.9240	511.76	179	486	0.1266
42	C5H10	2-METHYL-1-BUTENE	-1.7016	0.9847	465.00	136	442	0.1079
43	C5H10	2-METHYL-2-BUTENE	-1.7011	0.9879	471.00	139	447	0.1098
44	C5H10	3-METHYL-1-BUTENE	-1.7016	0.9808	450.37	105	428	0.1042
45	C5H10	1-PENTENE	-1.6663	0.9787	464.78	108	442	0.1158
46	C5H10	cis-2-PENTENE	-1.2021	0.4769	475.93	122	452	0.1438
47	C5H10	trans-2-PENTENE	-1.6694	0.9777	475.37	133	452	0.1170
48	C5H10Cl2	1,5-DICHLOROPENTANE	-1.7054	0.8846	663.00	200	630	0.1097
49	C5H10O	METHYL ISOPROPYL KETONE	-1.6608	1.0197	553.00	181	525	0.1434
50	C5H10O	2-PENTANONE	-1.5427	0.8664	561.08	196	533	0.1429
51	C5H10O	DIETHYL KETONE	-1.5868	0.9252	560.95	234	533	0.1439
52	C5H10O	VALERALDEHYDE	-1.3874	0.6935	554.00	182	526	0.1475
53	C5H10O2	n-BUTYL FORMATE	-1.4694	0.7764	559.00	181	531	0.1429
54	C5H10O2	ETHYL PROPIONATE	-1.4559	0.7611	546.00	199	519	0.1417
55	C5H10O2	ISOBUTYL FORMATE	-1.6401	0.9975	551.35	177	524	0.1441
56	C5H10O2	ISOPROPYL ACETATE	-1.6674	1.0117	538.00	200	511	0.1367
57	C5H10O2	n-PROPYL ACETATE	-1.6554	1.0143	549.40	178	522	0.1431

* A computer program, containing coefficients for all compounds, is available for a nominal fee. The computer program is in ASCII which can be accessed by other software.

$\log_{10} \lambda_{liq} = A + B\,[1-T/C]^{2/7}$ (λ_{liq} - W/m K, T - K)

NO	FORMULA	NAME	A	B	C	TMIN	TMAX	λ_{liq} @ 25 C
58	C5H10O2	METHYL n-BUTYRATE	-1.6416	0.9912	554.50	187	527	0.1424
59	C5H10O2	2-METHYLBUTYRIC ACID	-1.6505	0.9761	643.00	357	611	---
60	C5H10O2	ISOVALERIC ACID	-1.8111	1.1217	634.00	244	602	0.1332
61	C5H10O2	VALERIC ACID	-1.3306	0.5788	651.00	239	618	0.1430
62	C5H10O2	TETRAHYDROFURFURYL ALCOHOL	-1.6621	0.9895	639.00	193	607	0.1461
63	C5H10O2S	3-METHYL SULFOLANE	-1.6930	0.9946	817.00	274	776	0.1516
64	C5H10O3	DIETHYL CARBONATE	---	---	---	---	---	---
65	C5H10O3	ETHYL LACTATE	-1.5767	1.0176	588.00	247	559	0.1797
66	C5H11Cl	1-CHLOROPENTANE	-1.7334	0.9954	568.00	174	540	0.1178
67	C5H11N	N-METHYLPYRROLIDINE	-1.7236	0.9865	550.00	183	523	0.1163
68	C5H11N	PIPERIDINE	-1.5720	1.0072	594.05	263	564	0.1792
69	C5H11NO	tert-BUTYLFORMAMIDE	-1.6969	1.0088	692.00	289	657	0.1452
70	C5H12	ISOPENTANE	-1.6824	0.9955	460.43	113	437	0.1139
71	C5H12	NEOPENTANE	-1.7534	1.0306	433.78	257	412	0.0968
72	C5H12	n-PENTANE	-1.2287	0.5322	469.65	143	446	0.1480
73	C5H12O	2,2-DIMETHYL-1-PROPANOL	-1.6332	0.9395	550.00	327	523	---
74	C5H12O	2-METHYL-1-BUTANOL	-1.6474	0.9911	565.00	203	537	0.1421
75	C5H12O	2-METHYL-2-BUTANOL	-1.6654	0.9673	545.15	264	518	0.1277
76	C5H12O	3-METHYL-1-BUTANOL	-0.8268	0.0000	579.45	156	550	0.1490
77	C5H12O	3-METHYL-2-BUTANOL	-1.6753	0.9967	574.00	188	545	0.1359
78	C5H12O	1-PENTANOL	-1.2628	0.5481	586.15	196	557	0.1530
79	C5H12O	2-PENTANOL	-1.6591	0.9915	552.00	200	524	0.1365
80	C5H12O	3-PENTANOL	-1.6616	0.9893	547.00	204	520	0.1344
81	C5H12O	METHYL sec-BUTYL ETHER	-1.6565	0.9938	498.00	150	473	0.1286
82	C5H12O	METHYL tert-BUTYL ETHER	-1.3554	0.5475	497.10	165	472	0.1164
83	C5H12O	METHYL ISOBUTYL ETHER	-1.6565	0.9932	497.00	150	472	0.1282
84	C5H12O	ETHYL PROPYL ETHER	-1.6520	0.9987	500.23	146	475	0.1315
85	C5H12O2	ETHYLENE GLYCOL MONOPROPYL ETHER	-1.7081	0.9992	582.00	183	553	0.1276
86	C5H12O2	NEOPENTYL GLYCOL	-1.6595	1.0611	643.00	400	611	---
87	C5H12O2	1,5-PENTANEDIOL	-1.5818	1.0119	673.00	257	639	0.1881
88	C5H12O3	2-(2-METHOXYETHOXY)ETHANOL	-1.0049	0.3242	630.00	197	599	0.1841
89	C5H12O4	PENTAERYTHRITOL	-1.4744	0.9034	780.00	534	741	---
90	C5H12S	n-PENTYL MERCAPTAN	-1.6804	0.9923	598.00	197	568	0.1362
91	C5H13N	n-PENTYLAMINE	-1.2926	0.6093	555.00	218	527	0.1572
92	C5H13NO2	METHYL DIETHANOLAMINE	-1.5918	1.0074	678.00	252	644	0.1828
93	C6Cl6	HEXACHLOROBENZENE	-1.9240	1.1177	825.00	502	784	---
94	C6F6	HEXAFLUOROBENZENE	-1.8030	0.9591	516.73	278	491	0.0885
95	C6H3ClN2O4	1-CHLORO-2,4-DINITROBENZENE	---	---	---	---	---	---
96	C6H3Cl2NO2	1,2-DICHLORO-4-NITROBENZENE	---	---	---	---	---	---
97	C6H3Cl3	1,2,4-TRICHLOROBENZENE	-1.4962	0.6264	725.00	290	689	0.1102
98	C6H3N3O6	1,3,5-TRINITROBENZENE	---	---	---	---	---	---
99	C6H4Br2	m-DIBROMOBENZENE	-1.6606	0.7907	761.00	266	723	0.1060
100	C6H4ClNO2	m-CHLORONITROBENZENE	-1.7455	1.0121	742.00	318	705	---
101	C6H4ClNO2	o-CHLORONITROBENZENE	-1.7359	1.0095	757.00	306	719	---
102	C6H4ClNO2	p-CHLORONITROBENZENE	-1.7481	1.0167	751.00	357	713	---
103	C6H4Cl2	m-DICHLOROBENZENE	-1.7344	0.9478	683.95	248	650	0.1176
104	C6H4Cl2	o-DICHLOROBENZENE	-1.7480	0.9729	705.00	256	670	0.1212
105	C6H4Cl2	p-DICHLOROBENZENE	-1.7572	0.9659	684.75	326	651	---
106	C6H4N2O4	m-DINITROBENZENE	-1.5895	1.0176	805.00	364	765	---
107	C6H4N2O4	o-DINITROBENZENE	-1.6661	1.0237	831.00	390	789	---
108	C6H4N2O4	p-DINITROBENZENE	-1.7864	1.0389	803.00	447	763	---
109	C6H5Br	BROMOBENZENE	-1.9541	1.1821	670.15	242	637	0.1109
110	C6H5Cl	MONOCHLOROBENZENE	-1.6502	0.9051	632.35	228	601	0.1271
111	C6H5ClO	m-CHLOROPHENOL	-1.7797	1.0094	729.00	306	693	---
112	C6H5ClO	o-CHLOROPHENOL	-1.6755	0.9728	675.00	282	641	0.1406
113	C6H5ClO	p-CHLOROPHENOL	-1.7607	1.0072	738.00	316	701	---
114	C6H5Cl2N	3,4-DICHLOROANILINE	-1.7220	1.0139	800.00	345	760	---
115	C6H5F	FLUOROBENZENE	-1.7815	1.0969	560.09	231	532	0.1263
116	C6H5I	IODOBENZENE	-2.8339	2.2319	721.15	242	685	0.1209
117	C6H5NO2	NITROBENZENE	-1.3942	0.6571	719.00	279	683	0.1478
118	C6H6	BENZENE	-1.6846	1.0520	562.16	279	534	0.1456
119	C6H6ClN	m-CHLOROANILINE	-1.6657	0.9933	751.00	263	713	0.1563
120	C6H6ClN	o-CHLOROANILINE	-1.7082	1.0368	722.00	482	686	---
121	C6H6ClN	p-CHLOROANILINE	-1.7198	1.0152	754.00	343	716	---
122	C6H6N2	cis-DICYANO-1-BUTENE	-1.5501	1.0055	691.00	249	656	0.2021
123	C6H6N2	trans-DICYANO-1-BUTENE	-1.5408	1.0035	689.00	260	655	0.2054
124	C6H6N2	1,4-DICYANO-2-BUTENE	-1.5254	1.0202	755.00	349	717	---
125	C6H6N2O2	m-NITROANILINE	-1.6637	1.0250	815.00	387	774	---

* A computer program, containing coefficients for all compounds, is available for a nominal fee. The computer program is in ASCII which can be accessed by other software.

$\log_{10} \lambda_{liq} = A + B\,[1-T/C]^{2/7}$ (λ_{liq} - W/m K, T - K)

NO	FORMULA	NAME	A	B	C	TMIN	TMAX	λ_{liq} @ 25 C
126	C6H6N2O2	o-NITROANILINE	-1.6626	1.0190	784.00	345	745	---
127	C6H6N2O2	p-NITROANILINE	-1.6108	1.0267	851.00	421	808	---
128	C6H6O	PHENOL	-1.1489	0.4091	694.25	314	660	---
129	C6H6O2	1,2-BENZENEDIOL	-1.5704	0.9675	764.00	378	726	---
130	C6H6O2	1,3-BENZENEDIOL	-1.5486	0.9736	810.00	382	770	---
131	C6H6O2	p-HYDROQUINONE	-1.6580	1.0313	822.00	445	781	---
132	C6H6O3	1,2,3-BENZENETRIOL	-1.5445	0.9665	830.00	407	789	---
133	C6H6S	PHENYL MERCAPTAN	-1.6817	0.9958	689.00	258	655	0.1463
134	C6H7N	ANILINE	-1.3485	0.6888	699.00	267	664	0.1734
135	C6H7N	2-METHYLPYRIDINE	-1.6901	0.9887	621.00	206	590	0.1349
136	C6H7N	3-METHYLPYRIDINE	-1.6957	1.0009	645.00	255	613	0.1389
137	C6H7N	4-METHYLPYRIDINE	-1.7337	1.0058	646.15	277	614	0.1286
138	C6H8	1,3-CYCLOHEXADIENE	-1.6374	0.9577	558.00	161	530	0.1357
139	C6H8	METHYLCYCLOPENTADIENE	-1.6423	0.9558	541.00	150	514	0.1312
140	C6H8N2	ADIPONITRILE	-1.3732	0.7055	781.00	276	742	0.1745
141	C6H8N2	METHYLGLUTARONITRILE	-1.6111	0.9928	742.00	228	705	0.1762
142	C6H8N2	m-PHENYLENEDIAMINE	-1.6545	1.0061	824.00	334	783	---
143	C6H8N2	o-PHENYLENEDIAMINE	-1.6232	1.0159	781.00	377	742	---
144	C6H8N2	p-PHENYLENEDIAMINE	-1.6192	1.0242	796.00	413	756	---
145	C6H8N2	PHENYLHYDRAZINE	-1.7253	1.0032	761.00	292	723	0.1397
146	C6H8N2O	BIS(CYANOETHYL)ETHER	-1.6256	0.9993	783.00	247	744	0.1761
147	C6H8O4	DIMETHYL MALEATE	-1.6586	0.9783	675.00	254	641	0.1478
148	C6H8O6	ASCORBIC ACID	-1.6122	1.0655	783.00	465	744	---
149	C6H8O7	CITRIC ACID	-1.6225	1.0458	822.00	426	781	---
150	C6H10	CYCLOHEXENE	-1.6375	0.9374	560.40	170	532	0.1309
151	C6H10	2,3-DIMETHYL-1,3-BUTADIENE	-1.7201	0.9969	526.00	197	500	0.1161
152	C6H10	1,5-HEXADIENE	-1.6655	0.9826	507.00	132	482	0.1251
153	C6H10	cis,trans-2,4-HEXADIENE	-1.6672	0.9862	538.00	177	511	0.1305
154	C6H10	trans,trans-2,4-HEXADIENE	-1.6870	1.0056	535.00	228	508	0.1287
155	C6H10	1-HEXYNE	-1.6575	0.9838	516.20	141	490	0.1293
156	C6H10	2-HEXYNE	-1.6719	0.9908	549.00	184	522	0.1319
157	C6H10	3-HEXYNE	-1.6709	0.9864	544.00	170	517	0.1304
158	C6H10O	CYCLOHEXANONE	-1.7647	1.0954	629.15	242	598	0.1403
159	C6H10O	MESITYL OXIDE	-1.6270	0.9997	600.00	220	570	0.1565
160	C6H10O2	epsilon-CAPROLACTONE	-1.7751	0.9963	771.00	272	732	0.1234
161	C6H10O2	ETHYL METHACRYLATE	-1.6607	0.9890	577.00	223	548	0.1389
162	C6H10O2	n-PROPYL ACRYLATE	-1.6397	0.9643	569.00	273	541	0.1381
163	C6H10O3	ETHYLACETOACETATE	-1.6494	0.9958	643.00	234	611	0.1528
164	C6H10O3	PROPIONIC ANHYDRIDE	-1.6727	1.0046	618.00	228	587	0.1444
165	C6H10O4	ADIPIC ACID	-1.5701	0.9580	809.00	426	769	---
166	C6H10O4	DIETHYL OXALATE	-1.6294	0.9880	646.00	233	614	0.1579
167	C6H10O4	ETHYLENE GLYCOL DIACETATE	-1.6875	0.9903	653.00	242	620	0.1395
168	C6H10O4	ETHYLIDENE DIACETATE	-1.7337	1.0146	635.00	292	603	0.1297
169	C6H11N	HEXANENITRILE	-1.6095	0.9930	622.05	193	591	0.1639
170	C6H11NO	epsilon-CAPROLACTAM	-1.6509	1.0120	806.00	342	766	---
171	C6H11NO	CYCLOHEXANONE OXIME	-1.7615	1.0232	715.00	363	679	---
172	C6H12	CYCLOHEXANE	-1.6817	0.9649	553.54	280	526	0.1236
173	C6H12	2,3-DIMETHYL-1-BUTENE	-1.7230	0.9800	500.00	116	475	0.1080
174	C6H12	2,3-DIMETHYL-2-BUTENE	-1.7317	0.9951	524.00	199	498	0.1124
175	C6H12	3,3-DIMETHYL-1-BUTENE	-1.7315	0.9866	480.00	158	456	0.1038
176	C6H12	2-ETHYL-1-BUTENE	-1.7244	0.9812	512.00	142	486	0.1097
177	C6H12	1-HEXENE	-1.7827	1.1185	504.03	133	479	0.1212
178	C6H12	cis-2-HEXENE	-1.6730	0.9828	513.00	132	487	0.1240
179	C6H12	trans-2-HEXENE	-1.6761	0.9799	513.00	140	487	0.1225
180	C6H12	cis-3-HEXENE	-1.6726	0.9803	509.00	135	484	0.1229
181	C6H12	trans-3-HEXENE	-1.6842	0.9919	509.00	160	484	0.1221
182	C6H12	METHYLCYCLOPENTANE	-1.6949	0.9753	532.79	131	506	0.1193
183	C6H12	2-METHYL-1-PENTENE	-1.7259	0.9792	507.00	137	482	0.1082
184	C6H12	2-METHYL-2-PENTENE	-1.7292	0.9827	514.00	138	488	0.1091
185	C6H12	3-METHYL-1-PENTENE	-1.7256	0.9789	495.00	120	470	0.1063
186	C6H12	3-METHYL-cis-2-PENTENE	-1.7247	0.9822	515.00	138	489	0.1103
187	C6H12	4-METHYL-1-PENTENE	-1.7293	0.9796	496.00	120	471	0.1057
188	C6H12	4-METHYL-cis-2-PENTENE	-1.7321	0.9846	499.00	138	474	0.1064
189	C6H12	4-METHYL-trans-2-PENTENE	-1.7268	0.9765	501.00	132	476	0.1065
190	C6H12N2	TRIETHYLENEDIAMINE	-1.8102	1.0587	655.00	434	622	---
191	C6H12O	BUTYL VINYL ETHER	-1.6689	0.9976	536.00	181	509	0.1325
192	C6H12O	CYCLOHEXANOL	-1.3475	0.5719	625.15	297	594	0.1342
193	C6H12O	1-HEXANAL	-1.4172	0.7037	579.00	217	550	0.1429

* A computer program, containing coefficients for all compounds, is available for a nominal fee. The computer program is in ASCII which can be accessed by other software.

$\log_{10} \lambda_{liq} = A + B\,[1-T/C]^{2/7}$ (λ_{liq} - W/m K, T - K)

NO	FORMULA	NAME	A	B	C	TMIN	TMAX	λ_{liq} @ 25 C
194	C6H12O	ETHYL ISOPROPYL KETONE	-1.6367	0.9833	567.00	200	539	0.1438
195	C6H12O	2-HEXANONE	-1.5936	0.9060	587.05	217	558	0.1400
196	C6H12O	3-HEXANONE	-1.6210	0.9777	582.82	218	554	0.1498
197	C6H12O	METHYL ISOBUTYL KETONE	-1.6520	0.9961	571.40	189	543	0.1428
198	C6H12O2	n-PENTYL FORMATE	-1.3693	0.6420	576.00	200	547	0.1419
199	C6H12O2	n-BUTYL ACETATE	-1.6072	0.9107	579.65	200	551	0.1360
200	C6H12O2	sec-BUTYL ACETATE	-1.6762	0.9960	561.00	174	533	0.1336
201	C6H12O2	tert-BUTYL ACETATE	-1.6708	0.9562	545.00	283	518	0.1235
202	C6H12O2	ETHYL n-BUTYRATE	-1.6755	1.0136	571.00	175	542	0.1397
203	C6H12O2	ETHYL ISOBUTYRATE	-1.6789	0.9958	553.15	185	525	0.1316
204	C6H12O2	ISOBUTYL ACETATE	-1.6695	0.9962	561.00	174	533	0.1357
205	C6H12O2	n-PROPYL PROPIONATE	-1.6581	0.9859	578.00	197	549	0.1391
206	C6H12O2	CYCLOHEXYL PEROXIDE	-1.6212	1.0027	685.00	253	651	0.1700
207	C6H12O2	DIACETONE ALCOHOL	-1.6610	0.9873	606.00	229	576	0.1421
208	C6H12O2	2-ETHYL BUTYRIC ACID	-1.6634	0.9864	655.00	258	622	0.1465
209	C6H12O2	n-HEXANOIC ACID	-1.3784	0.6393	667.00	270	634	0.1450
210	C6H12O3	2-ETHOXYETHYL ACETATE	-1.7101	0.9985	597.00	211	567	0.1286
211	C6H12O3	HYDROXYCAPROIC ACID	-1.6086	1.0244	758.00	334	720	---
212	C6H12O3	PARALDEHYDE	-1.2305	0.4847	579.00	286	550	0.1458
213	C6H12O3	sec-BUTYL GLYCOLATE	---	---	---	---	---	---
214	C6H13N	CYCLOHEXYLAMINE	-1.7144	0.9971	615.00	255	584	0.1290
215	C6H13N	HEXAMETHYLENEIMINE	-1.7388	1.1970	615.00	236	584	0.1785
216	C6H14	2,2-DIMETHYLBUTANE	-1.7773	1.0273	488.78	174	464	0.1018
217	C6H14	2,3-DIMETHYLBUTANE	-1.7202	0.9624	499.98	145	475	0.1053
218	C6H14	n-HEXANE	-1.8389	1.1860	507.43	178	482	0.1208
219	C6H14	2-METHYLPENTANE	-1.7102	0.9861	497.50	120	473	0.1120
220	C6H14	3-METHYLPENTANE	-1.7207	1.0050	504.43	110	479	0.1142
221	C6H14N2O2	LYSINE	-1.7028	1.0544	821.00	483	780	---
222	C6H14O	2-ETHYL-1-BUTANOL	-1.6669	1.0023	580.00	159	551	0.1408
223	C6H14O	1-HEXANOL	-1.3521	0.6421	611.35	229	581	0.1508
224	C6H14O	2-HEXANOL	-1.6584	0.9779	586.20	223	557	0.1380
225	C6H14O	2-METHYL-1-PENTANOL	-1.6532	0.9855	582.00	223	553	0.1411
226	C6H14O	4-METHYL-2-PENTANOL	-1.6816	0.9980	574.40	183	546	0.1343
227	C6H14O	n-BUTYL ETHYL ETHER	-1.6657	0.9849	531.00	170	504	0.1296
228	C6H14O	DIISOPROPYL ETHER	-2.2301	1.6397	500.05	188	475	0.1085
229	C6H14O	DI-n-PROPYL ETHER	-1.4463	0.6954	530.60	150	504	0.1268
230	C6H14O	METHYL tert-PENTYL ETHER	-1.6858	0.9965	534.00	160	507	0.1268
231	C6H14O2	ACETAL	-1.7534	1.0740	541.00	173	514	0.1262
232	C6H14O2	2-BUTOXYETHANOL	-1.2084	0.5059	600.00	203	570	0.1612
233	C6H14O2	1,6-HEXANEDIOL	-1.5811	0.9722	670.00	315	637	---
234	C6H14O2	HEXYLENE GLYCOL	-1.6339	0.9892	621.00	223	590	0.1537
235	C6H14O2S	DI-n-PROPYL SULFONE	-1.7132	1.0123	763.00	303	725	---
236	C6H14O3	DIETHYLENE GLYCOL DIMETHYL ETHER	-1.7449	1.0276	604.00	203	574	0.1262
237	C6H14O3	DIPROPYLENE GLYCOL	-1.6412	0.9914	654.00	233	621	0.1556
238	C6H14O3	2-(2-ETHOXYETHOXY)ETHANOL	-1.2811	0.6107	632.00	195	600	0.1690
239	C6H14O3	TRIMETHYLOLPROPANE	-1.5678	0.9715	709.00	331	674	---
240	C6H14O4	TRIETHYLENE GLYCOL	-0.7913	0.0995	700.00	266	665	0.1966
241	C6H14O6	SORBITOL	-1.4973	0.9872	959.00	371	911	---
242	C6H14S	n-HEXYLMERCAPTAN	-1.6845	0.9908	623.00	193	592	0.1374
243	C6H15Al	TRIETHYL ALUMINUM	---	---	---	---	---	---
244	C6H15Al2Cl3	ETHYL ALUMINUM SESQUICHLORIDE	---	---	---	---	---	---
245	C6H15N	DIISOPROPYLAMINE	-1.6751	0.9314	523.10	177	497	0.1140
246	C6H15N	DI-n-PROPYLAMINE	-1.8360	1.1801	555.80	210	528	0.1292
247	C6H15N	n-HEXYLAMINE	-1.1828	0.4509	583.00	252	554	0.1530
248	C6H15N	TRIETHYLAMINE	-1.8052	1.1067	535.15	158	508	0.1180
249	C6H15NO	6-AMINOHEXANOL	-1.7323	1.0289	681.00	331	647	---
250	C6H15NO2	DIISOPROPANOLAMINE	-1.6411	1.0325	672.00	318	638	---
251	C6H15NO3	TRIETHANOLAMINE	-1.0922	0.4389	787.00	294	748	0.1954
252	C6H15N3	N-AMINOETHYL PIPERAZINE	-1.6857	0.9969	708.00	254	673	0.1469
253	C6H15O4P	TRIETHYL PHOSPHATE	---	---	---	---	---	---
254	C6H16N2	HEXAMETHYLENEDIAMINE	-1.5005	0.7359	663.00	314	630	---
255	C6H18N3OP	HEXAMETHYL PHOSPHORAMIDE	---	---	---	---	---	---
256	C6H18N4	TRIETHYLENE TETRAMINE	-1.6641	1.0139	718.00	285	682	0.1606
257	C6H18OSi2	HEXAMETHYLDISILOXANE	-1.7621	0.9977	518.70	205	493	0.1045
258	C6H18O3Si3	HEXAMETHYLCYCLOTRISILOXANE	-1.8092	1.0460	554.20	337	526	---
259	C6H19NSi2	HEXAMETHYLDISILAZANE	-1.8517	1.0367	544.00	293	517	0.0943
260	C7H3ClF3NO2	4-CHLORO-3-NITROBENZOTRIFLUORIDE	---	---	---	---	---	---
261	C7H3Cl2F3	2,4-DICHLOROBENZOTRIFLUORIDE	-1.8722	0.9864	646.00	248	614	0.0900

* A computer program, containing coefficients for all compounds, is available for a nominal fee. The computer program is in ASCII which can be accessed by other software.

$\log_{10} \lambda_{liq} = A + B\,[1-T/C]^{2/7}$ (λ_{liq} - W/m K, T - K)

NO	FORMULA	NAME	A	B	C	TMIN	TMAX	λ_{liq} @ 25 C
262	C7H3Cl2NO	3,4-DICHLOROPHENYL ISOCYANATE	-1.7899	1.0120	733.00	316	696	---
263	C7H4ClF3	p-CHLOROBENZOTRIFLUORIDE	-1.8375	0.9837	601.00	237	571	0.0936
264	C7H4Cl2O	m-CHLOROBENZOYL CHLORIDE	-1.8183	0.9852	724.00	280	688	0.1067
265	C7H4F3NO2	3-NITROBENZOTRIFLUORIDE	---	---	---	---	---	---
266	C7H5ClO	BENZOYL CHLORIDE	-1.8355	1.0012	697.00	273	662	0.1043
267	C7H5ClO2	o-CHLOROBENZOIC ACID	-1.6299	0.9595	792.00	415	752	---
268	C7H5Cl3	BENZOTRICHLORIDE	-1.8450	0.9906	737.00	268	700	0.1021
269	C7H5F3	BENZOTRIFLUORIDE	-1.7754	0.9962	565.00	244	537	0.1068
270	C7H5N	BENZONITRILE	---	---	---	---	---	---
271	C7H5NO	PHENYL ISOCYANATE	-1.8002	0.9996	648.00	243	616	0.1091
272	C7H5N3O6	2,4,6-TRINITROTOLUENE	3.6003	-5.8533	795.00	357	393	---
273	C7H6Cl2	BENZYL DICHLORIDE	-1.7975	0.9832	731.00	257	694	0.1119
274	C7H6Cl2	2,4-DICHLOROTOLUENE	-1.8047	0.9890	705.00	260	670	0.1098
275	C7H6N2O4	2,4-DINITROTOLUENE	---	---	---	---	---	---
276	C7H6N2O4	2,5-DINITROTOLUENE	---	---	---	---	---	---
277	C7H6N2O4	2,6-DINITROTOLUENE	---	---	---	---	---	---
278	C7H6N2O4	3,4-DINITROTOLUENE	---	---	---	---	---	---
279	C7H6N2O4	3,5-DINITROTOLUENE	---	---	---	---	---	---
280	C7H6O	BENZALDEHYDE	-2.4889	1.9557	695.00	247	660	0.1505
281	C7H6O2	BENZOIC ACID	-1.6074	0.9579	751.00	396	713	---
282	C7H6O2	p-HYDROXYBENZALDEHYDE	-1.6961	1.0193	844.00	390	802	---
283	C7H6O2	SALICYLALDEHYDE	-1.6495	1.0064	680.00	266	646	0.1599
284	C7H6O3	SALICYLIC ACID	---	---	---	---	---	---
285	C7H7Br	p-BROMOTOLUENE	-1.8197	1.0055	699.00	300	664	---
286	C7H7Cl	BENZYL CHLORIDE	-1.5601	0.8204	686.00	234	652	0.1371
287	C7H7Cl	o-CHLOROTOLUENE	-1.7397	1.0002	656.00	237	623	0.1263
288	C7H7Cl	p-CHLOROTOLUENE	-1.7240	0.9684	660.00	281	627	0.1235
289	C7H7NO	FORMANILIDE	-1.6665	1.0115	787.00	323	748	---
290	C7H7NO2	m-NITROTOLUENE	-1.7136	0.9973	734.00	289	697	0.1399
291	C7H7NO2	o-NITROTOLUENE	-1.6935	0.9850	720.00	270	684	0.1419
292	C7H7NO2	p-NITROTOLUENE	-1.6940	0.9779	736.00	325	699	---
293	C7H7NO3	o-NITROANISOLE	-1.6759	1.0014	782.00	284	743	0.1575
294	C7H8	TOLUENE	-1.6735	0.9773	591.79	178	562	0.1338
295	C7H8O	ANISOLE	-1.6295	0.9887	641.65	236	610	0.1576
296	C7H8O	BENZYL ALCOHOL	-0.9950	0.2347	677.00	258	643	0.1599
297	C7H8O	m-CRESOL	-1.2227	0.4627	705.85	285	671	0.1489
298	C7H8O	o-CRESOL	-1.2791	0.5437	697.55	304	663	---
299	C7H8O	p-CRESOL	-1.3021	0.5377	704.65	308	669	---
300	C7H8O2	GUAIACOL	-1.7827	1.0133	697.00	305	662	---
301	C7H8O2	p-METHOXYPHENOL	-1.7008	1.0103	758.00	329	720	---
302	C7H9N	BENZYLAMINE	-1.6799	0.9933	683.50	227	649	0.1457
303	C7H9N	2,6-DIMETHYLPYRIDINE	-1.7385	1.0120	623.75	267	593	0.1265
304	C7H9N	N-METHYLANILINE	-1.3638	0.6685	701.55	216	666	0.1611
305	C7H9N	m-TOLUIDINE	-1.6508	0.9978	709.15	243	674	0.1596
306	C7H9N	o-TOLUIDINE	-1.6342	0.9995	694.15	249	659	0.1649
307	C7H9N	p-TOLUIDINE	-1.6736	1.0521	693.15	317	658	---
308	C7H10	2-NORBORNENE	-1.7378	1.0260	583.00	319	554	---
309	C7H10N2	TOLUENEDIAMINE	-1.5750	1.0187	804.00	371	764	---
310	C7H11NO	CYCLOHEXYL ISOCYANATE	-1.7389	0.9882	633.00	193	601	0.1216
311	C7H12O2	n-BUTYL ACRYLATE	-1.6774	0.9946	598.00	209	568	0.1378
312	C7H12O2	ISOBUTYL ACRYLATE	-1.6941	0.9926	580.00	212	551	0.1299
313	C7H12O2	n-PROPYL METHACRYLATE	-1.6853	0.9925	599.00	223	569	0.1349
314	C7H12O4	DIETHYL MALONATE	-1.7202	0.9940	653.00	224	620	0.1303
315	C7H14	CYCLOHEPTANE	-1.7334	1.0054	604.30	265	574	0.1243
316	C7H14	1,1-DIMETYLCYCLOPENTANE	-1.7319	0.9958	547.00	203	520	0.1157
317	C7H14	cis-1,2-DIMETHYLCYCLOPENTANE	-1.7337	1.0000	565.15	219	537	0.1184
318	C7H14	trans-1,2-DIMETHYLCYCLOPENTANE	-1.7228	0.9796	553.15	156	525	0.1154
319	C7H14	cis-1,3-DIMETHYLCYCLOPENTANE	-1.7250	0.9787	551.00	139	523	0.1144
320	C7H14	trans-1,3-DIMETHYLCYCLOPENTANE	-1.7217	0.9766	553.00	139	525	0.1151
321	C7H14	ETHYLCYCLOPENTANE	-1.7230	0.9811	569.52	135	541	0.1177
322	C7H14	2-ETHYL-1-PENTENE	-1.7490	0.9860	543.00	168	516	0.1087
323	C7H14	3-ETHYL-1-PENTENE	-1.7495	0.9851	530.00	146	504	0.1067
324	C7H14	1-HEPTENE	-1.7662	1.0883	537.29	154	510	0.1251
325	C7H14	cis-2-HEPTENE	-1.6750	0.9768	549.00	164	522	0.1276
326	C7H14	trans-2-HEPTENE	-1.6834	0.9869	543.00	164	516	0.1267
327	C7H14	cis-3-HEPTENE	-1.6782	0.9805	545.00	137	518	0.1270
328	C7H14	trans-3-HEPTENE	-1.6808	0.9832	540.00	137	513	0.1261
329	C7H14	METHYLCYCLOHEXANE	-1.7992	1.0419	572.19	147	544	0.1109

* A computer program, containing coefficients for all compounds, is available for a nominal fee. The computer program is in ASCII which can be accessed by other software.

$\log_{10} \lambda_{liq} = A + B\,[1-T/C]^{2/7}$ (λ_{liq} - W/m K, T - K)

NO	FORMULA	NAME	A	B	C	TMIN	TMAX	λ_{liq} @ 25 C
330	C7H14	2-METHYL-1-HEXENE	-1.7526	0.9893	538.00	170	511	0.1079
331	C7H14	3-METHYL-1-HEXENE	-1.7510	0.9853	528.00	145	502	0.1061
332	C7H14	4-METHYL-1-HEXENE	-1.7438	0.9784	534.00	132	507	0.1074
333	C7H14	2,3,3-TRIMETHYL-1-BUTENE	-1.7435	0.9842	531.00	163	504	0.1082
334	C7H14O	DIISOPROPYL KETONE	-1.6464	0.9770	576.00	205	547	0.1402
335	C7H14O	2-HEPTANONE	-1.6861	1.0000	611.55	238	581	0.1381
336	C7H14O	1-HEPTANAL	-1.4274	0.7062	603.00	230	573	0.1425
337	C7H14O	1-METHYLCYCLOHEXANOL	-1.6767	0.9979	603.00	299	573	---
338	C7H14O	cis-2-METHYLCYCLOHEXANOL	-1.6551	0.9757	614.00	280	583	0.1418
339	C7H14O	trans-2-METHYLCYCLOHEXANOL	-1.6697	1.0008	616.00	269	585	0.1441
340	C7H14O	cis-3-METHYLCYCLOHEXANOL	-1.6686	1.0013	618.00	268	587	0.1449
341	C7H14O	trans-3-METHYLCYCLOHEXANOL	-1.6702	1.0019	617.00	273	586	0.1444
342	C7H14O	cis-4-METHYLCYCLOHEXANOL	-1.6624	0.9980	622.00	187	591	0.1465
343	C7H14O	trans-4-METHYLCYCLOHEXANOL	-1.6624	0.9980	622.00	187	591	0.1465
344	C7H14O	5-METHYL-2-HEXANONE	-1.6685	1.0299	601.00	199	571	0.1508
345	C7H14O2	n-BUTYL PROPIONATE	-1.6733	0.9959	594.00	184	564	0.1389
346	C7H14O2	ETHYL ISOVALERATE	-1.7025	0.9995	587.95	174	559	0.1300
347	C7H14O2	ISOPENTYL ACETATE	-1.6874	0.9819	599.00	195	569	0.1316
348	C7H14O2	n-PENTYL ACETATE	-1.6758	0.9850	598.00	202	568	0.1358
349	C7H14O2	n-PROPYL n-BUTYRATE	-1.6748	0.9809	594.00	178	564	0.1346
350	C7H14O2	n-HEPTANOIC ACID	-1.4366	0.6964	680.00	266	646	0.1425
351	C7H14O3	ETHYL-3-ETHOXYPROPIONATE	-1.6832	1.0032	609.00	223	579	0.1395
352	C7H15Br	1-BROMOHEPTANE	-1.6210	0.7940	651.00	217	618	0.1110
353	C7H15N	N-METHYLCYCLOHEXYLAMINE	-1.7499	1.0072	622.00	265	591	0.1219
354	C7H16	2,2-DIMETHYLPENTANE	-1.7590	0.9870	520.50	149	494	0.1035
355	C7H16	2,3-DIMETHYLPENTANE	-1.8184	1.0680	537.35	160	510	0.1069
356	C7H16	2,4-DIMETHYLPENTANE	-1.7527	0.9762	519.79	154	494	0.1029
357	C7H16	3,3-DIMETHYLPENTANE	-1.7559	0.9833	536.40	139	510	0.1057
358	C7H16	3-ETHYLPENTANE	-1.7563	0.9874	540.64	155	514	0.1069
359	C7H16	n-HEPTANE	-1.8482	1.1843	540.26	183	513	0.1240
360	C7H16	2-METHYLHEXANE	-1.7110	0.9951	530.37	155	504	0.1188
361	C7H16	3-METHYLHEXANE	-1.7622	0.9895	535.25	154	508	0.1052
362	C7H16	2,2,3-TRIMETHYLBUTANE	-1.7761	1.0083	531.17	249	505	0.1049
363	C7H16O	1-HEPTANOL	-1.5652	0.9223	631.90	239	600	0.1597
364	C7H16O	2-HEPTANOL	-1.6662	0.9817	588.00	243	559	0.1367
365	C7H16O	5-METHYL-1-HEXANOL	-1.6450	0.9695	605.00	293	575	0.1424
366	C7H16S	n-HEPTYL MERCAPTAN	-1.7017	1.0018	645.00	230	613	0.1372
367	C7H17N	1-AMINOHEPTANE	-1.1421	0.3945	607.00	254	577	0.1525

* A computer program, containing coefficients for all compounds, is available for a nominal fee. The computer program is in ASCII which can be accessed by other software.

Appendix B

COEFFICIENTS FOR GAS THERMAL CONDUCTIVITY EQUATION*

Carl L. Yaws, Xiaoyan Lin, Li Bu and Sachin Nijhawan
Lamar University, Beaumont, Texas

$\lambda_{gas} = A + B\,T + C\,T^2$ (λ_{gas} - W/m K, T - K)

NO	FORMULA	NAME	A	B	C	TMIN	TMAX	λ_{gas} @ 25 C
1	C5Cl6	HEXACHLOROCYCLOPENTADIENE	-0.00249	2.8374E-05	1.1725E-09	512	1000	---
2	C5H4O2	FURFURAL	-0.00850	5.3869E-05	1.4154E-08	435	995	---
3	C5H5N	PYRIDINE	-0.00469	1.6151E-05	9.4006E-08	388	998	---
4	C5H6	CYCLOPENTADIENE	-0.02157	1.1092E-04	4.9200E-09	315	995	---
5	C5H6	2-METHYL-1-BUTENE-3-YNE	-0.02061	1.0795E-04	-3.8523E-10	305	1000	---
6	C5H6	1-PENTENE-3-YNE	-0.01948	9.7606E-05	2.9124E-09	332	1000	---
7	C5H6	1-PENTENE-4-YNE	-0.01895	9.9571E-05	3.1222E-09	316	1000	---
8	C5H6N2	GLUTARONITRILE	0.00651	-2.5737E-05	8.0925E-08	559	800	---
9	C5H6O2	FURFURYL ALCOHOL	-0.00980	6.6130E-05	1.1295E-08	443	1000	---
10	C5H6O3	GLUTARIC ANHYDRIDE	-0.01623	6.8241E-05	1.3318E-08	537	1000	---
11	C5H6O4	CITRACONIC ACID	-0.00950	5.9892E-05	5.3306E-09	607	1000	---
12	C5H6O4	ITACONIC ACID	-0.00930	5.8805E-05	5.3028E-09	601	1000	---
13	C5H7N	N-METHYLPYRROLE	-0.01610	8.0996E-05	2.0850E-08	386	1000	---
14	C5H7NO2	ETHYL CYANOACETATE	-0.00781	5.0032E-05	9.1160E-09	479	1000	---
15	C5H8	CYCLOPENTENE	-0.02478	1.0653E-04	1.9323E-08	317	1000	---
16	C5H8	ISOPRENE	-0.00963	7.4045E-05	1.7069E-08	307	1000	---
17	C5H8	3-METHYL-1,2-BUTADIENE	-0.01830	9.3896E-05	1.3853E-08	314	1000	---
18	C5H8	1,2-PENTADIENE	-0.01814	9.4388E-05	1.2776E-08	318	1000	---
19	C5H8	cis-1,3-PENTADIENE	-0.02272	1.0735E-04	2.3430E-09	317	1000	---
20	C5H8	trans-1,3-PENTADIENE	-0.02171	1.0827E-04	9.7348E-10	315	1000	---
21	C5H8	1,4-PENTADIENE	-0.02050	1.0732E-04	4.4840E-09	299	1000	---
22	C5H8	2,3-PENTADIENE	-0.01808	9.5064E-05	1.1518E-08	321	1000	---
23	C5H8	1-PENTYNE	-0.02135	1.1353E-04	4.1053E-09	313	1000	---
24	C5H8	3-METHYL-1-BUTYNE	-0.02238	1.1883E-04	5.0355E-09	302	1000	---
25	C5H8N4O12	PENTAERYTHRITOL TETRANITRATE	---	---	---	--	--	---
26	C5H8O	CYCLOPENTANONE	-0.01474	6.5495E-05	2.2503E-08	404	1000	---
27	C5H8O	METHYL ISOPROPENYL KETONE	0.00191	-5.0402E-06	1.2275E-07	371	1000	---
28	C5H8O2	ACETYLACETONE	0.00202	-6.4635E-06	1.1971E-07	414	1000	---
29	C5H8O2	ALLYL ACETATE	0.00167	-4.3717E-06	1.1046E-07	377	1000	---
30	C5H8O2	ETHYL ACRYLATE	-0.01596	8.5844E-05	6.3310E-10	373	1000	---
31	C5H8O2	METHYL METHACRYLATE	-0.00858	5.6352E-05	1.8538E-08	373	993	---
32	C5H8O2	VINYL PROPIONATE	-0.00769	5.3910E-05	1.3380E-08	364	994	---
33	C5H8O3	2-HYDROXYETHYL ACRYLATE	-0.00958	6.6063E-05	8.3262E-09	483	1000	---
34	C5H8O3	LEVULINIC ACID	-0.00876	5.3118E-05	1.0459E-08	519	1000	---
35	C5H8O3	METHYL ACETOACETATE	-0.01100	5.9144E-05	8.6685E-09	445	1000	---
36	C5H8O4	GLUTARIC ACID	-0.00932	5.6714E-05	7.0118E-09	596	1000	---
37	C5H9N	VALERONITRILE	-0.00829	5.3602E-05	1.4187E-08	414	1000	---
38	C5H9NO	n-BUTYL ISOCYANATE	-0.00907	5.8175E-05	1.9087E-08	388	1000	---
39	C5H9NO	N-METHYL-2-PYRROLIDONE	-0.01854	7.7242E-05	1.6547E-08	475	1000	---
40	C5H9NO4	L-GLUTAMIC ACID	-0.00933	5.2703E-05	6.9953E-09	670	1000	---
41	C5H10	CYCLOPENTANE	-0.02062	9.4739E-05	3.5560E-08	273	1000	0.01079
42	C5H10	2-METHYL-1-BUTENE	-0.02204	1.1084E-04	9.4377E-09	304	994	---
43	C5H10	2-METHYL-2-BUTENE	-0.01074	7.0325E-05	3.7385E-08	312	992	---
44	C5H10	3-METHYL-1-BUTENE	-0.01347	9.2089E-05	2.6520E-08	363	993	---
45	C5H10	1-PENTENE	-0.01898	1.0348E-04	1.9775E-08	230	900	0.01363
46	C5H10	cis-2-PENTENE	-0.02130	1.0595E-04	1.5701E-08	300	1000	---
47	C5H10	trans-2-PENTENE	-0.02255	1.1262E-04	1.0063E-08	300	1000	---
48	C5H10Cl2	1,5-DICHLOROPENTANE	-0.00306	2.0818E-05	4.3956E-08	453	1000	---
49	C5H10O	METHYL ISOPROPYL KETONE	0.00210	-6.1498E-06	1.3239E-07	368	1000	---
50	C5H10O	2-PENTANONE	-0.00010	2.9234E-07	1.1956E-07	273	995	0.01061
51	C5H10O	DIETHYL KETONE	0.00004	-2.7408E-07	1.2105E-07	273	1000	0.01072
52	C5H10O	VALERALDEHYDE	0.00195	-5.2241E-06	1.1664E-07	376	1000	---
53	C5H10O2	n-BUTYL FORMATE	-0.00003	1.9886E-07	1.0678E-07	379	999	---
54	C5H10O2	ETHYL PROPIONATE	0.00169	-3.9463E-06	9.7439E-08	350	1000	---
55	C5H10O2	ISOBUTYL FORMATE	-0.01149	7.6532E-05	2.3296E-08	371	1000	---
56	C5H10O2	ISOPROPYL ACETATE	0.00186	-5.5341E-06	1.2208E-07	362	1000	---
57	C5H10O2	n-PROPYL ACETATE	-0.00000	1.2015E-11	1.0832E-07	375	1000	---

* A computer program, containing coefficients for all compounds, is available for a nominal fee. The computer program is in ASCII which can be accessed by other software.

NO	FORMULA	NAME	$\lambda_{gas} = A + B\,T + C\,T^2$ A	B	C	TMIN	TMAX	λ_{gas} @ 25 C
			(λ_{gas} - W/m K, T - K)					
58	C5H10O2	METHYL n-BUTYRATE	-0.00008	5.3061E-07	1.0498E-07	376	1000	---
59	C5H10O2	2-METHYLBUTYRIC ACID	-0.01063	6.5791E-05	1.7472E-08	450	1000	---
60	C5H10O2	ISOVALERIC ACID	-0.01009	6.3363E-05	1.5718E-08	448	1000	---
61	C5H10O2	VALERIC ACID	-0.00993	6.2466E-05	1.4445E-08	459	1000	---
62	C5H10O2	TETRAHYDROFURFURYL ALCOHOL	-0.01256	7.4885E-05	2.4009E-08	451	1000	---
63	C5H10O2S	3-METHYL SULFOLANE	-0.00995	5.2079E-05	1.8925E-08	549	1000	---
64	C5H10O3	DIETHYL CARBONATE	---	---	---	--	--	---
65	C5H10O3	ETHYL LACTATE	-0.01357	7.3304E-05	3.4967E-09	428	1000	---
66	C5H11Cl	1-CHLOROPENTANE	-0.00691	3.9991E-05	5.0394E-08	273	1000	0.00949
67	C5H11N	N-METHYLPYRROLIDINE	-0.00622	2.2417E-05	9.6605E-08	352	1000	---
68	C5H11N	PIPERIDINE	-0.03828	1.6072E-04	-1.7430E-08	380	1000	---
69	C5H11NO	tert-BUTYLFORMAMIDE	-0.01047	5.9203E-05	2.1578E-08	475	1000	---
70	C5H12	ISOPENTANE	-0.00389	3.1816E-05	1.0396E-07	250	475	0.01484
71	C5H12	NEOPENTANE	0.00071	-8.1028E-06	1.8759E-07	270	425	0.01497
72	C5H12	n-PENTANE	-0.00137	1.8081E-05	1.2136E-07	225	480	0.01481
73	C5H12O	2,2-DIMETHYL-1-PROPANOL	-0.00247	1.6408E-05	9.9920E-08	386	1000	---
74	C5H12O	2-METHYL-1-BUTANOL	-0.02047	1.0324E-04	1.1287E-08	402	1000	---
75	C5H12O	2-METHYL-2-BUTANOL	-0.01059	6.7601E-05	2.5324E-08	375	995	---
76	C5H12O	3-METHYL-1-BUTANOL	-0.00240	1.5505E-05	1.0343E-07	404	1000	---
77	C5H12O	3-METHYL-2-BUTANOL	-0.01024	6.7212E-05	2.0039E-08	385	1000	---
78	C5H12O	1-PENTANOL	-0.00237	1.5340E-05	9.9882E-08	411	991	---
79	C5H12O	2-PENTANOL	-0.01815	9.7025E-05	6.6841E-09	392	1000	---
80	C5H12O	3-PENTANOL	-0.00498	4.6859E-05	3.4060E-08	388	1000	---
81	C5H12O	METHYL sec-BUTYL ETHER	-0.01627	9.4309E-05	1.0734E-08	332	1000	---
82	C5H12O	METHYL tert-BUTYL ETHER	0.00443	-1.1115E-05	1.1739E-07	273	1000	0.01155
83	C5H12O	METHYL ISOBUTYL ETHER	0.00229	-7.2080E-06	1.4524E-07	332	1000	---
84	C5H12O	ETHYL PROPYL ETHER	-0.01461	9.8182E-05	-8.8708E-09	273	550	0.01388
85	C5H12O2	ETHYLENE GLYCOL MONOPROPYL ETHER	-0.01074	6.8825E-05	1.7860E-08	425	1000	---
86	C5H12O2	NEOPENTYL GLYCOL	-0.02009	9.4129E-05	2.0098E-09	483	1000	---
87	C5H12O2	1,5-PENTANEDIOL	-0.00222	1.2905E-05	8.7672E-08	512	992	---
88	C5H12O3	2-(2-METHOXYETHOXY)ETHANOL	-0.01010	6.1490E-05	1.6098E-08	467	1000	---
89	C5H12O4	PENTAERYTHRITOL	0.00004	5.5260E-06	7.1811E-08	631	1000	---
90	C5H12S	n-PENTYL MERCAPTAN	-0.01410	7.0973E-05	2.3670E-08	400	1000	---
91	C5H13N	n-PENTYLAMINE	-0.01089	6.4183E-05	5.5586E-08	280	700	0.01318
92	C5H13NO2	METHYL DIETHANOLAMINE	-0.01745	8.0243E-05	1.0917E-08	520	1000	---
93	C6Cl6	HEXACHLOROBENZENE	-0.00182	1.0469E-05	3.1217E-08	583	1000	---
94	C6F6	HEXAFLUOROBENZENE	-0.00405	2.7373E-05	4.8096E-08	353	600	---
95	C6H3ClN2O4	1-CHLORO-2,4-DINITROBENZENE	---	---	---	--	--	---
96	C6H3Cl2NO2	1,2-DICHLORO-4-NITROBENZENE	---	---	---	--	--	---
97	C6H3Cl3	1,2,4-TRICHLOROBENZENE	-0.00267	1.7256E-05	4.1140E-08	486	1000	---
98	C6H3N3O6	1,3,5-TRINITROBENZENE	---	---	---	--	--	---
99	C6H4Br2	m-DIBROMOBENZENE	-0.00485	3.2423E-05	4.2040E-09	491	1000	---
100	C6H4ClNO2	m-CHLORONITROBENZENE	-0.01272	5.8834E-05	-1.0453E-09	509	1000	---
101	C6H4ClNO2	o-CHLORONITROBENZENE	-0.01285	5.7825E-05	-1.1171E-09	519	1000	---
102	C6H4ClNO2	p-CHLORONITROBENZENE	-0.01253	5.8543E-05	-5.8007E-10	515	1000	---
103	C6H4Cl2	m-DICHLOROBENZENE	-0.00312	2.1250E-05	4.6201E-08	446	1000	---
104	C6H4Cl2	o-DICHLOROBENZENE	-0.00291	1.9569E-05	4.4032E-08	454	1000	---
105	C6H4Cl2	p-DICHLOROBENZENE	-0.00311	2.1221E-05	4.6100E-08	447	1000	---
106	C6H4N2O4	m-DINITROBENZENE	---	---	---	--	--	---
107	C6H4N2O4	o-DINITROBENZENE	---	---	---	--	--	---
108	C6H4N2O4	p-DINITROBENZENE	---	---	---	--	--	---
109	C6H5Br	BROMOBENZENE	-0.01148	5.3994E-05	-1.7338E-10	429	1000	---
110	C6H5Cl	MONOCHLOROBENZENE	-0.00974	4.5774E-05	4.3529E-08	400	1000	---
111	C6H5ClO	m-CHLOROPHENOL	-0.00789	5.3233E-05	6.6551E-09	487	1000	---
112	C6H5ClO	o-CHLOROPHENOL	-0.00748	5.1974E-05	7.1317E-09	448	1000	---
113	C6H5ClO	p-CHLOROPHENOL	-0.00798	5.3247E-05	6.8750E-09	493	1000	---
114	C6H5Cl2N	3,4-DICHLOROANILINE	-0.00678	4.5736E-05	3.6748E-09	545	1000	---
115	C6H5F	FLUOROBENZENE	-0.00518	3.4460E-05	6.4643E-08	358	600	---
116	C6H5I	IODOBENZENE	-0.00509	3.0753E-05	8.9177E-09	462	992	---
117	C6H5NO2	NITROBENZENE	---	---	---	--	--	---
118	C6H6	BENZENE	-0.00565	3.4493E-05	6.9298E-08	325	700	---
119	C6H6ClN	m-CHLOROANILINE	-0.00835	5.4258E-05	7.8223E-09	502	1000	---
120	C6H6ClN	o-CHLOROANILINE	-0.00775	4.9775E-05	8.8297E-09	482	1000	---
121	C6H6ClN	p-CHLOROANILINE	-0.00835	5.4268E-05	7.7382E-09	504	1000	---
122	C6H6N2	cis-DICYANO-1-BUTENE	0.01389	-5.3103E-05	1.2187E-07	501	1000	---
123	C6H6N2	trans-DICYANO-1-BUTENE	0.01386	-5.3189E-05	1.2253E-07	499	1000	---
124	C6H6N2	1,4-DICYANO-2-BUTENE	0.01259	-4.6044E-05	1.0455E-07	547	1000	---
125	C6H6N2O2	m-NITROANILINE	---	---	---	--	--	---

* A computer program, containing coefficients for all compounds, is available for a nominal fee. The computer program is in ASCII which can be accessed by other software.

			$\lambda_{gas} = A + B\,T + C\,T^2$					(λ_{gas} - W/m K, T - K)
NO	FORMULA	NAME	A	B	C	TMIN	TMAX	λ_{gas} @ 25 C
126	C6H6N2O2	o-NITROANILINE	---	---	---	--	--	---
127	C6H6N2O2	p-NITROANILINE	---	---	---	--	--	---
128	C6H6O	PHENOL	-0.00552	4.4952E-05	3.9900E-08	455	995	---
129	C6H6O2	1,2-BENZENEDIOL	-0.00992	6.4254E-05	8.4716E-09	519	1000	---
130	C6H6O2	1,3-BENZENEDIOL	-0.01036	6.4433E-05	9.0642E-09	550	1000	---
131	C6H6O2	p-HYDROQUINONE	-0.01029	6.3928E-05	8.5918E-09	558	1000	---
132	C6H6O3	1,2,3-BENZENETRIOL	-0.00892	5.7198E-05	5.2779E-09	582	1000	---
133	C6H6S	PHENYL MERCAPTAN	-0.01559	7.4463E-05	5.5203E-09	442	1000	---
134	C6H7N	ANILINE	-0.01796	8.3464E-05	1.5022E-09	458	1000	---
135	C6H7N	2-METHYLPYRIDINE	-0.01825	8.1741E-05	5.2735E-09	403	1000	---
136	C6H7N	3-METHYLPYRIDINE	-0.01774	8.4519E-05	5.7390E-09	417	1000	---
137	C6H7N	4-METHYLPYRIDINE	-0.01891	8.4421E-05	7.4076E-09	419	1000	---
138	C6H8	1,3-CYCLOHEXADIENE	-0.02301	1.0251E-04	1.5448E-08	353	1000	---
139	C6H8	METHYLCYCLOPENTADIENE	-0.02496	1.1665E-04	1.8289E-09	346	1000	---
140	C6H8N2	ADIPONITRILE	0.01165	-4.1640E-05	9.3712E-08	568	1000	---
141	C6H8N2	METHYLGLUTARONITRILE	0.00799	-3.3574E-05	1.0027E-07	536	800	---
142	C6H8N2	m-PHENYLENEDIAMINE	-0.01683	7.9123E-05	-6.3338E-10	560	1000	---
143	C6H8N2	o-PHENYLENEDIAMINE	-0.01783	8.2039E-05	-2.9441E-09	525	1000	---
144	C6H8N2	p-PHENYLENEDIAMINE	-0.01912	8.5298E-05	-4.8802E-09	540	1000	---
145	C6H8N2	PHENYLHYDRAZINE	---	---	---	--	--	---
146	C6H8N2O	BIS(CYANOETHYL)ETHER	-0.00825	4.9618E-05	7.2838E-09	579	1000	---
147	C6H8O4	DIMETHYL MALEATE	0.00138	-4.7128E-06	7.8611E-08	478	1000	---
148	C6H8O6	ASCORBIC ACID	-0.00773	5.3920E-05	7.2142E-09	637	1000	---
149	C6H8O7	CITRIC ACID	-0.00783	4.7615E-05	3.9996E-09	659	1000	---
150	C6H10	CYCLOHEXENE	-0.01193	7.1179E-05	4.2228E-08	356	996	---
151	C6H10	2,3-DIMETHYL-1,3-BUTADIENE	-0.02297	1.1246E-04	7.3288E-10	342	1000	---
152	C6H10	1,5-HEXADIENE	-0.02265	1.0750E-04	4.4254E-09	333	1000	---
153	C6H10	cis,trans-2,4-HEXADIENE	-0.02297	1.0411E-04	2.7109E-09	357	1000	---
154	C6H10	trans,trans-2,4-HEXADIENE	-0.02246	1.0474E-04	2.5653E-09	355	1000	---
155	C6H10	1-HEXYNE	-0.02300	1.1387E-04	8.6721E-10	344	1000	---
156	C6H10	2-HEXYNE	-0.02195	1.0011E-04	6.6097E-09	358	1000	---
157	C6H10	3-HEXYNE	-0.02073	9.5896E-05	1.0364E-08	354	1000	---
158	C6H10O	CYCLOHEXANONE	0.00192	-7.2593E-06	1.3921E-07	400	1000	---
159	C6H10O	MESITYL OXIDE	-0.01110	7.0738E-05	2.1760E-08	403	1000	---
160	C6H10O2	epsilon-CAPROLACTONE	-0.02399	9.8072E-05	4.6009E-10	488	1000	---
161	C6H10O2	ETHYL METHACRYLATE	-0.00879	5.6001E-05	1.9424E-08	390	990	---
162	C6H10O2	n-PROPYL ACRYLATE	-0.00907	6.2865E-05	1.3193E-08	392	1000	---
163	C6H10O3	ETHYLACETOACETATE	-0.01382	6.7076E-05	2.7945E-09	454	1000	---
164	C6H10O3	PROPIONIC ANHYDRIDE	-0.00879	5.4626E-05	1.5361E-08	442	992	---
165	C6H10O4	ADIPIC ACID	-0.00902	5.3113E-05	7.4185E-09	611	1000	---
166	C6H10O4	DIETHYL OXALATE	-0.00762	4.9563E-05	9.4162E-09	459	1000	---
167	C6H10O4	ETHYLENE GLYCOL DIACETATE	-0.00769	4.9373E-05	9.8343E-09	464	1000	---
168	C6H10O4	ETHYLIDENE DIACETATE	-0.01361	7.2743E-05	-1.7770E-09	442	1000	---
169	C6H11N	HEXANENITRILE	-0.01361	7.2743E-05	-1.7770E-09	442	1000	---
170	C6H11NO	epsilon-CAPROLACTAM	-0.00212	-1.6616E-06	8.6366E-08	500	1000	---
171	C6H11NO	CYCLOHEXANONE OXIME	-0.02483	9.8579E-05	8.4898E-09	481	1000	---
172	C6H12	CYCLOHEXANE	-0.00159	-1.7494E-07	1.4588E-07	325	650	---
173	C6H12	2,3-DIMETHYL-1-BUTENE	-0.02233	1.1326E-04	6.7224E-09	329	1000	---
174	C6H12	2,3-DIMETHYL-2-BUTENE	-0.02251	9.9283E-05	1.4181E-08	346	1000	---
175	C6H12	3,3-DIMETHYL-1-BUTENE	-0.02536	1.2004E-04	6.7777E-09	314	1000	---
176	C6H12	2-ETHYL-1-BUTENE	-0.02345	1.1104E-04	6.2519E-09	338	1000	---
177	C6H12	1-HEXENE	-0.00705	4.4426E-05	7.7958E-08	273	800	---
178	C6H12	cis-2-HEXENE	-0.02390	1.0827E-04	8.4714E-09	342	1000	---
179	C6H12	trans-2-HEXENE	-0.02284	1.0704E-04	8.6641E-09	341	1000	---
180	C6H12	cis-3-HEXENE	-0.02485	1.1197E-04	6.6069E-09	340	1000	---
181	C6H12	trans-3-HEXENE	-0.02318	1.0980E-04	7.3222E-09	340	1000	---
182	C6H12	METHYLCYCLOPENTANE	-0.00746	2.5087E-05	1.3442E-07	345	1000	---
183	C6H12	2-METHYL-1-PENTENE	-0.02322	1.1108E-04	6.8641E-09	335	1000	---
184	C6H12	2-METHYL-2-PENTENE	-0.02355	1.0791E-04	8.1723E-09	340	1000	---
185	C6H12	3-METHYL-1-PENTENE	-0.02358	1.1861E-04	5.2451E-09	327	1000	---
186	C6H12	3-METHYL-cis-2-PENTENE	-0.02422	1.1082E-04	8.3013E-09	341	1000	---
187	C6H12	4-METHYL-1-PENTENE	-0.02365	1.1116E-04	9.0111E-09	327	997	---
188	C6H12	4-METHYL-cis-2-PENTENE	-0.02325	1.1237E-04	7.8684E-09	330	1000	---
189	C6H12	4-METHYL-trans-2-PENTENE	-0.02227	1.1154E-04	7.7384E-09	332	1000	---
190	C6H12N2	TRIETHYLENEDIAMINE	---	---	---	--	--	---
191	C6H12O	BUTYL VINYL ETHER	0.00040	-2.5246E-06	1.2832E-07	367	1000	---
192	C6H12O	CYCLOHEXANOL	-0.02696	1.1162E-04	1.2497E-08	434	1000	---
193	C6H12O	1-HEXANAL	0.00201	-6.9706E-06	1.1641E-07	401	1000	---

* A computer program, containing coefficients for all compounds, is available for a nominal fee. The computer program is in ASCII which can be accessed by other software.

			$\lambda_{gas} = A + B\,T + C\,T^2$					(λ_{gas} - W/m K, T - K)
NO	FORMULA	NAME	A	B	C	TMIN	TMAX	λ_{gas} @ 25 C
194	C6H12O	ETHYL ISOPROPYL KETONE	0.00223	-8.3013E-06	1.3364E-07	387	1000	---
195	C6H12O	2-HEXANONE	-0.00018	-1.1096E-06	1.1858E-07	273	1000	0.01003
196	C6H12O	3-HEXANONE	0.00046	-2.8354E-06	1.2146E-07	397	1000	---
197	C6H12O	METHYL ISOBUTYL KETONE	0.00209	-7.7952E-06	1.2993E-07	390	1000	---
198	C6H12O2	n-PENTYL FORMATE	0.00193	-7.0093E-06	1.1429E-07	407	1000	---
199	C6H12O2	n-BUTYL ACETATE	-0.01347	6.3061E-05	5.5881E-08	273	600	0.01030
200	C6H12O2	sec-BUTYL ACETATE	-0.01064	7.0457E-05	1.9982E-08	385	1000	---
201	C6H12O2	tert-BUTYL ACETATE	-0.01558	8.6536E-05	2.7575E-09	369	1000	---
202	C6H12O2	ETHYL n-BUTYRATE	0.00044	-2.7311E-06	1.1199E-07	395	995	---
203	C6H12O2	ETHYL ISOBUTYRATE	-0.01336	7.1037E-05	1.1391E-08	383	810	---
204	C6H12O2	ISOBUTYL ACETATE	-0.00255	2.2339E-05	9.5719E-08	390	650	---
205	C6H12O2	n-PROPYL PROPIONATE	-0.01456	7.9880E-05	4.0996E-09	396	1000	---
206	C6H12O2	CYCLOHEXYL PEROXIDE	-0.01456	7.9880E-05	4.0996E-09	396	1000	---
207	C6H12O2	DIACETONE ALCOHOL	-0.01456	7.9880E-05	4.0996E-09	396	1000	---
208	C6H12O2	2-ETHYL BUTYRIC ACID	-0.01001	5.9638E-05	1.7463E-08	467	1000	---
209	C6H12O2	n-HEXANOIC ACID	-0.00999	6.0544E-05	1.5093E-08	479	1000	---
210	C6H12O3	2-ETHOXYETHYL ACETATE	-0.01431	7.3519E-05	2.8216E-09	429	1000	---
211	C6H12O3	HYDROXYCAPROIC ACID	-0.01082	6.3540E-05	1.0893E-08	576	1000	---
212	C6H12O3	PARALDEHYDE	-0.00986	6.3529E-05	1.9397E-08	397	997	---
213	C6H12O3	sec-BUTYL GLYCOLATE	---	---	---	--	--	---
214	C6H13N	CYCLOHEXYLAMINE	-0.02518	1.1000E-04	1.3973E-08	408	1000	---
215	C6H13N	HEXAMETHYLENEIMINE	-0.01545	7.0179E-05	3.6497E-08	405	1000	---
216	C6H14	2,2-DIMETHYLBUTANE	-0.02495	1.1807E-04	1.5286E-08	323	993	---
217	C6H14	2,3-DIMETHYLBUTANE	-0.02527	1.1748E-04	1.3227E-08	331	991	---
218	C6H14	n-HEXANE	-0.00200	7.7788E-06	1.3824E-07	290	480	0.01261
219	C6H14	2-METHYLPENTANE	-0.02517	1.1820E-04	9.7793E-09	333	993	---
220	C6H14	3-METHYLPENTANE	-0.02525	1.1734E-04	1.1464E-08	336	1000	---
221	C6H14N2O2	LYSINE	---	---	---	--	--	---
222	C6H14O	2-ETHYL-1-BUTANOL	-0.02106	1.0226E-04	7.8607E-09	420	1000	---
223	C6H14O	1-HEXANOL	-0.00003	7.1095E-06	1.0391E-07	430	990	---
224	C6H14O	2-HEXANOL	0.00009	6.8974E-06	1.1173E-07	413	1000	---
225	C6H14O	2-METHYL-1-PENTANOL	0.00003	7.1723E-06	1.1403E-07	421	1000	---
226	C6H14O	4-METHYL-2-PENTANOL	-0.01046	6.7260E-05	1.9467E-08	405	1000	---
227	C6H14O	n-BUTYL ETHYL ETHER	0.00213	-7.9371E-06	1.3400E-07	365	1000	---
228	C6H14O	DIISOPROPYL ETHER	-0.00466	5.0338E-05	3.6643E-08	300	1000	---
229	C6H14O	DI-n-PROPYL ETHER	-0.00914	5.7163E-05	2.5520E-08	363	1000	---
230	C6H14O	METHYL tert-PENTYL ETHER	-0.01703	9.4153E-05	9.9660E-09	359	1000	---
231	C6H14O2	ACETAL	-0.01761	9.0102E-05	2.2962E-09	377	1000	---
232	C6H14O2	2-BUTOXYETHANOL	-0.01015	6.2014E-05	1.8278E-08	444	1000	---
233	C6H14O2	1,6-HEXANEDIOL	-0.00195	1.1148E-05	9.2023E-08	516	996	---
234	C6H14O2	HEXYLENE GLYCOL	-0.01094	6.5187E-05	1.8708E-08	471	1000	---
235	C6H14O2S	DI-n-PROPYL SULFONE	-0.00546	4.2561E-05	3.0821E-08	543	1000	---
236	C6H14O3	DIETHYLENE GLYCOL DIMETHYL ETHER	---	---	---	--	--	---
237	C6H14O3	DIPROPYLENE GLYCOL	-0.01036	6.3705E-05	1.3322E-08	495	1000	---
238	C6H14O3	2-(2-ETHOXYETHOXY)ETHANOL	-0.00989	5.9411E-05	1.5932E-08	475	1000	---
239	C6H14O3	TRIMETHYLOLPROPANE	0.00003	5.4634E-06	8.6657E-08	562	1000	---
240	C6H14O4	TRIETHYLENE GLYCOL	-0.00382	2.7242E-05	4.4887E-08	266	700	0.00829
241	C6H14O6	SORBITOL	-0.00791	4.1821E-05	5.0914E-09	777	997	---
242	C6H14S	n-HEXYLMERCAPTAN	---	---	---	--	--	---
243	C6H15Al	TRIETHYL ALUMINUM	---	---	---	--	--	---
244	C6H15Al2Cl3	ETHYL ALUMINUM SESQUICHLORIDE	---	---	---	--	--	---
245	C6H15N	DIISOPROPYLAMINE	-0.02243	1.1290E-04	9.0082E-09	357	1000	---
246	C6H15N	DI-n-PROPYLAMINE	-0.01864	9.7340E-05	1.5899E-08	280	992	0.01180
247	C6H15N	n-HEXYLAMINE	-0.01101	6.9097E-05	2.2740E-08	405	1000	---
248	C6H15N	TRIETHYLAMINE	0.06339	-2.8473E-04	4.4125E-07	273	1000	0.01772
249	C6H15NO	6-AMINOHEXANOL	-0.01143	6.7029E-05	1.6847E-08	508	1000	---
250	C6H15NO2	DIISOPROPANOLAMINE	-0.01157	7.0707E-05	1.3092E-08	522	1000	---
251	C6H15NO3	TRIETHANOLAMINE	-0.01074	5.2692E-05	1.8196E-08	633	993	---
252	C6H15N3	N-AMINOETHYL PIPERAZINE	-0.01191	6.7419E-05	2.2113E-08	494	1000	---
253	C6H15O4P	TRIETHYL PHOSPHATE	---	---	---	--	--	---
254	C6H16N2	HEXAMETHYLENEDIAMINE	-0.01217	7.3189E-05	1.9829E-08	475	995	---
255	C6H18N3OP	HEXAMETHYL PHOSPHORAMIDE	---	---	---	--	--	---
256	C6H18N4	TRIETHYLENE TETRAMINE	-0.01123	6.4536E-05	1.5212E-08	540	1000	---
257	C6H18OSi2	HEXAMETHYLDISILOXANE	-0.00955	6.6223E-05	1.5880E-08	374	1000	---
258	C6H18O3Si3	HEXAMETHYLCYCLOTRISILOXANE	-0.01486	7.2287E-05	3.3299E-09	408	1000	---
259	C6H19NSi2	HEXAMETHYLDISILAZANE	-0.01670	7.9936E-05	9.6457E-09	399	1000	---
260	C7H3ClF3NO2	4-CHLORO-3-NITROBENZOTRIFLUORIDE	---	---	---	--	--	---
261	C7H3Cl2F3	2,4-DICHLOROBENZOTRIFLUORIDE	-0.00204	1.4209E-05	2.5948E-08	451	1000	---

* A computer program, containing coefficients for all compounds, is available for a nominal fee. The computer program is in ASCII which can be accessed by other software.

			$\lambda_{gas} = A + B\,T + C\,T^2$					(λ_{gas} - W/m K, T - K)
NO	FORMULA	NAME	A	B	C	TMIN	TMAX	λ_{gas} @ 25 C
262	C7H3Cl2NO	3,4-DICHLOROPHENYL ISOCYANATE	---	---	---	--	--	---
263	C7H4ClF3	p-CHLOROBENZOTRIFLUORIDE	-0.00470	2.3913E-05	2.1583E-08	412	1000	---
264	C7H4ClO	m-CHLOROBENZOYL CHLORIDE	-0.00581	3.8952E-05	4.6627E-09	498	1000	---
265	C7H4F3NO2	3-NITROBENZOTRIFLUORIDE	---	---	---	--	--	---
266	C7H5ClO	BENZOYL CHLORIDE	-0.00821	4.9147E-05	1.3800E-08	470	1000	---
267	C7H5ClO2	o-CHLOROBENZOIC ACID	-0.00724	4.0174E-05	1.0286E-08	560	1000	---
268	C7H5Cl3	BENZOTRICHLORIDE	-0.00196	1.2735E-05	2.6872E-08	494	1000	---
269	C7H5F3	BENZOTRIFLUORIDE	-0.00480	2.6729E-05	2.1257E-08	377	1000	---
270	C7H5N	BENZONITRILE	-0.00777	4.5588E-05	1.4657E-08	464	1000	---
271	C7H5NO	PHENYL ISOCYANATE	-0.01296	6.1228E-05	3.3193E-09	439	1000	---
272	C7H5N3O6	2,4,6-TRINITROTOLUENE	---	---	---	--	--	---
273	C7H6Cl2	BENZYL DICHLORIDE	-0.00716	4.4714E-05	8.9822E-09	487	1000	---
274	C7H6Cl2	2,4-DICHLOROTOLUENE	-0.00216	1.4670E-05	2.7213E-08	474	994	---
275	C7H6N2O4	2,4-DINITROTOLUENE	---	---	---	--	--	---
276	C7H6N2O4	2,5-DINITROTOLUENE	---	---	---	--	--	---
277	C7H6N2O4	2,6-DINITROTOLUENE	---	---	---	--	--	---
278	C7H6N2O4	3,4-DINITROTOLUENE	---	---	---	--	--	---
279	C7H6N2O4	3,5-DINITROTOLUENE	---	---	---	--	--	---
280	C7H6O	BENZALDEHYDE	-0.01407	6.5719E-05	1.2910E-09	452	1000	---
281	C7H6O2	BENZOIC ACID	-0.00824	4.5025E-05	1.5092E-08	522	1000	---
282	C7H6O2	p-HYDROXYBENZALDEHYDE	-0.01035	6.1233E-05	9.6772E-09	583	1000	---
283	C7H6O2	SALICYLALDEHYDE	-0.01585	7.3309E-05	-1.2729E-09	470	1000	---
284	C7H6O3	SALICYLIC ACID	---	---	---	--	--	---
285	C7H7Br	p-BROMOTOLUENE	-0.00651	3.9659E-05	1.0960E-08	458	1000	---
286	C7H7Cl	BENZYL CHLORIDE	-0.00676	4.8275E-05	2.1168E-08	453	700	---
287	C7H7Cl	o-CHLOROTOLUENE	-0.00246	1.7966E-05	2.8211E-08	432	1000	---
288	C7H7Cl	p-CHLOROTOLUENE	-0.00244	1.7780E-05	2.7905E-08	436	1000	---
289	C7H7NO	FORMANILIDE	-0.00918	5.2720E-05	1.2195E-08	544	1000	---
290	C7H7NO2	m-NITROTOLUENE	---	---	---	--	--	---
291	C7H7NO2	o-NITROTOLUENE	---	---	---	--	--	---
292	C7H7NO2	p-NITROTOLUENE	---	---	---	--	--	---
293	C7H7NO3	o-NITROANISOLE	---	---	---	--	--	---
294	C7H8	TOLUENE	-0.00776	4.4905E-05	6.4514E-08	350	800	---
295	C7H8O	ANISOLE	-0.00841	5.4312E-05	1.3274E-08	427	1000	---
296	C7H8O	BENZYL ALCOHOL	-0.02239	9.3867E-05	1.1774E-09	478	1000	---
297	C7H8O	m-CRESOL	-0.01019	6.3156E-05	1.4276E-08	475	1000	---
298	C7H8O	o-CRESOL	-0.01453	7.3771E-05	1.1445E-08	460	960	---
299	C7H8O	p-CRESOL	-0.01026	6.3162E-05	1.4789E-08	475	1000	---
300	C7H8O2	GUAIACOL	-0.00948	5.8177E-05	1.3631E-08	478	1000	---
301	C7H8O2	p-METHOXYPHENOL	-0.01778	7.7713E-05	-2.6925E-10	516	1000	---
302	C7H9N	BENZYLAMINE	-0.01746	7.8683E-05	3.1880E-09	458	1000	---
303	C7H9N	2,6-DIMETHYLPYRIDINE	-0.01496	7.4216E-05	9.6792E-09	417	1000	---
304	C7H9N	N-METHYLANILINE	-0.01939	8.7524E-05	2.1511E-09	469	1000	---
305	C7H9N	m-TOLUIDINE	-0.01130	6.6264E-05	1.9972E-08	477	1000	---
306	C7H9N	o-TOLUIDINE	-0.01126	6.6401E-05	1.9757E-08	474	1000	---
307	C7H9N	p-TOLUIDINE	-0.01122	6.6479E-05	1.9337E-08	473	1000	---
308	C7H10	2-NORBORNENE	-0.02632	1.0831E-04	1.1393E-08	369	1000	---
309	C7H10N2	TOLUENEDIAMINE	-0.00459	3.7823E-05	2.2289E-08	557	997	---
310	C7H11NO	CYCLOHEXYL ISOCYANATE	-0.02086	8.5930E-05	4.3256E-09	442	1000	---
311	C7H12O2	n-BUTYL ACRYLATE	-0.00810	5.5918E-05	1.0107E-08	421	991	---
312	C7H12O2	ISOBUTYL ACRYLATE	-0.01292	7.3271E-05	5.7666E-09	405	1000	---
313	C7H12O2	n-PROPYL METHACRYLATE	-0.00903	5.5800E-05	1.9106E-08	414	994	---
314	C7H12O4	DIETHYL MALONATE	-0.00770	4.8737E-05	9.9882E-09	472	1000	---
315	C7H14	CYCLOHEPTANE	-0.01815	8.2733E-05	3.8757E-08	273	1000	0.00996
316	C7H14	1,1-DIMETYLCYCLOPENTANE	-0.02729	1.1701E-04	1.3570E-08	361	1000	---
317	C7H14	cis-1,2-DIMETHYLCYCLOPENTANE	-0.02637	1.1233E-04	1.3745E-08	373	1000	---
318	C7H14	trans-1,2-DIMETHYLCYCLOPENTANE	-0.02645	1.1404E-04	1.4169E-08	365	1000	---
319	C7H14	cis-1,3-DIMETHYLCYCLOPENTANE	-0.02673	1.1533E-04	1.3413E-08	364	1000	---
320	C7H14	trans-1,3-DIMETHYLCYCLOPENTANE	-0.02657	1.1456E-04	1.3656E-08	365	1000	---
321	C7H14	ETHYLCYCLOPENTANE	-0.02464	1.0590E-04	1.5918E-08	377	1000	---
322	C7H14	2-ETHYL-1-PENTENE	-0.02622	1.1564E-04	2.3883E-09	367	1000	---
323	C7H14	3-ETHYL-1-PENTENE	-0.02688	1.1958E-04	3.0658E-09	357	1000	---
324	C7H14	1-HEPTENE	-0.00771	4.6067E-05	6.8648E-08	325	800	---
325	C7H14	cis-2-HEPTENE	-0.02483	1.0727E-04	5.1453E-09	372	1000	---
326	C7H14	trans-2-HEPTENE	-0.02478	1.0907E-04	4.8661E-09	371	1000	---
327	C7H14	cis-3-HEPTENE	-0.02529	1.0925E-04	4.3971E-09	369	1000	---
328	C7H14	trans-3-HEPTENE	-0.02553	1.1168E-04	3.6230E-09	369	1000	---
329	C7H14	METHYLCYCLOHEXANE	-0.01221	6.8869E-05	4.7632E-08	374	994	---

* A computer program, containing coefficients for all compounds, is available for a nominal fee. The computer program is in ASCII which can be accessed by other software.

			$\lambda_{gas} = A + B\,T + C\,T^2$					(λ_{gas} - W/m K, T - K)
NO	FORMULA	NAME	A	B	C	TMIN	TMAX	λ_{gas} @ 25 C
330	C7H14	2-METHYL-1-HEXENE	-0.02504	1.1217E-04	3.7454E-09	365	1000	---
331	C7H14	3-METHYL-1-HEXENE	-0.02647	1.1790E-04	2.9719E-09	357	1000	---
332	C7H14	4-METHYL-1-HEXENE	-0.02691	1.1911E-04	3.0242E-09	360	1000	---
333	C7H14	2,3,3-TRIMETHYL-1-BUTENE	-0.02859	1.2805E-04	-1.2852E-10	351	1000	---
334	C7H14O	DIISOPROPYL KETONE	0.00236	-1.0037E-05	1.3841E-07	398	1000	---
335	C7H14O	2-HEPTANONE	0.00080	-4.7604E-06	1.1455E-07	424	1000	---
336	C7H14O	1-HEPTANAL	0.00193	-7.7435E-06	1.1335E-07	426	1000	---
337	C7H14O	1-METHYLCYCLOHEXANOL	-0.01073	6.0731E-05	2.8618E-08	430	1000	---
338	C7H14O	cis-2-METHYLCYCLOHEXANOL	-0.01211	6.8635E-05	3.0581E-08	438	1000	---
339	C7H14O	trans-2-METHYLCYCLOHEXANOL	-0.01214	6.8477E-05	3.0950E-08	440	1000	---
340	C7H14O	cis-3-METHYLCYCLOHEXANOL	-0.02360	1.0023E-04	8.7735E-09	441	1000	---
341	C7H14O	trans-3-METHYLCYCLOHEXANOL	-0.01208	6.8142E-05	3.0508E-08	441	1000	---
342	C7H14O	cis-4-METHYLCYCLOHEXANOL	-0.01212	6.8970E-05	2.9148E-08	444	1000	---
343	C7H14O	trans-4-METHYLCYCLOHEXANOL	-0.01204	6.8489E-05	2.8939E-08	444	1000	---
344	C7H14O	5-METHYL-2-HEXANONE	0.00089	-5.2671E-06	1.2134E-07	418	1000	---
345	C7H14O2	n-BUTYL PROPIONATE	-0.00967	6.0969E-05	1.7773E-08	420	1000	---
346	C7H14O2	ETHYL ISOVALERATE	0.00163	-6.9483E-06	1.1341E-07	407	1000	---
347	C7H14O2	ISOPENTYL ACETATE	-0.00536	7.3541E-05	3.0480E-08	415	800	---
348	C7H14O2	n-PENTYL ACETATE	-0.00027	2.6117E-06	1.1495E-07	273	600	0.01073
349	C7H14O2	n-PROPYL n-BUTYRATE	-0.00954	6.0418E-05	1.7843E-08	416	996	---
350	C7H14O2	n-HEPTANOIC ACID	-0.00992	5.8552E-05	1.5206E-08	496	1000	---
351	C7H14O3	ETHYL-3-ETHOXYPROPIONATE	0.00188	-7.8909E-06	1.0588E-07	438	1000	---
352	C7H15Br	1-BROMOHEPTANE	-0.00812	4.9825E-05	1.3677E-08	452	1000	---
353	C7H15N	N-METHYLCYCLOHEXYLAMINE	-0.02345	1.0309E-04	1.0640E-08	422	1000	---
354	C7H16	2,2-DIMETHYLPENTANE	-0.02542	1.1603E-04	7.9145E-09	352	1000	---
355	C7H16	2,3-DIMETHYLPENTANE	-0.01223	7.4018E-05	3.9510E-08	363	993	---
356	C7H16	2,4-DIMETHYLPENTANE	-0.01212	7.5158E-05	3.7926E-08	354	994	---
357	C7H16	3,3-DIMETHYLPENTANE	-0.02638	1.1824E-04	7.6535E-09	359	1000	---
358	C7H16	3-ETHYLPENTANE	-0.02624	1.1672E-04	7.0036E-09	367	1000	---
359	C7H16	n-HEPTANE	-0.00172	1.6565E-05	1.0525E-07	250	750	0.01257
360	C7H16	2-METHYLHEXANE	-0.01193	7.3057E-05	3.6736E-08	363	993	---
361	C7H16	3-METHYLHEXANE	-0.01210	7.3744E-05	3.7221E-08	365	995	---
362	C7H16	2,2,3-TRIMETHYLBUTANE	-0.02639	1.1615E-04	1.6588E-08	354	1000	---
363	C7H16O	1-HEPTANOL	-0.00089	1.0487E-05	9.7505E-08	449	1000	---
364	C7H16O	2-HEPTANOL	-0.00003	6.3709E-06	1.1568E-07	432	1000	---
365	C7H16O	5-METHYL-1-HEXANOL	-0.00184	1.1187E-05	1.0576E-07	445	1000	---
366	C7H16S	n-HEPTYL MERCAPTAN	-0.01462	7.4335E-05	1.9050E-08	450	1000	---
367	C7H17N	1-AMINOHEPTANE	-0.00880	6.1045E-05	3.4374E-08	430	700	---

* A computer program, containing coefficients for all compounds, is available for a nominal fee. The computer program is in ASCII which can be accessed by other software.

Appendix C

DATA CODE FOR COMPOUNDS

NO	FORMULA	NAME	LIQUID THERMAL COND.	GAS THERMAL COND.
1	C5Cl6	HEXACHLOROCYCLOPENTADIENE	estimate	estimate
2	C5H4O2	FURFURAL	experimental/estimate	estimate
3	C5H5N	PYRIDINE	experimental/estimate	estimate
4	C5H6	CYCLOPENTADIENE	estimate	estimate
5	C5H6	2-METHYL-1-BUTENE-3-YNE	estimate	estimate
6	C5H6	1-PENTENE-3-YNE	estimate	estimate
7	C5H6	1-PENTENE-4-YNE	estimate	estimate
8	C5H6N2	GLUTARONITRILE	estimate	estimate
9	C5H6O2	FURFURYL ALCOHOL	estimate	estimate
10	C5H6O3	GLUTARIC ANHYDRIDE	estimate	estimate
11	C5H6O4	CITRACONIC ACID	estimate	estimate
12	C5H6O4	ITACONIC ACID	estimate	estimate
13	C5H7N	N-METHYLPYRROLE	estimate	estimate
14	C5H7NO2	ETHYL CYANOACETATE	estimate	estimate
15	C5H8	CYCLOPENTENE	estimate	estimate
16	C5H8	ISOPRENE	experimental/estimate	estimate
17	C5H8	3-METHYL-1,2-BUTADIENE	estimate	estimate
18	C5H8	1,2-PENTADIENE	estimate	estimate
19	C5H8	cis-1,3-PENTADIENE	estimate	estimate
20	C5H8	trans-1,3-PENTADIENE	estimate	estimate
21	C5H8	1,4-PENTADIENE	estimate	estimate
22	C5H8	2,3-PENTADIENE	estimate	estimate
23	C5H8	1-PENTYNE	estimate	estimate
24	C5H8	3-METHYL-1-BUTYNE	estimate	estimate
25	C5H8N4O12	PENTAERYTHRITOL TETRANITRATE	---	---
26	C5H8O	CYCLOPENTANONE	estimate	estimate
27	C5H8O	METHYL ISOPROPENYL KETONE	estimate	estimate
28	C5H8O2	ACETYLACETONE	estimate	estimate
29	C5H8O2	ALLYL ACETATE	estimate	estimate
30	C5H8O2	ETHYL ACRYLATE	estimate	estimate
31	C5H8O2	METHYL METHACRYLATE	experimental/estimate	estimate
32	C5H8O2	VINYL PROPIONATE	estimate	estimate
33	C5H8O3	2-HYDROXYETHYL ACRYLATE	estimate	estimate
34	C5H8O3	LEVULINIC ACID	estimate	estimate
35	C5H8O3	METHYL ACETOACETATE	experimental/estimate	estimate
36	C5H8O4	GLUTARIC ACID	estimate	estimate
37	C5H9N	VALERONITRILE	estimate	estimate
38	C5H9NO	n-BUTYL ISOCYANATE	estimate	estimate
39	C5H9NO	N-METHYL-2-PYRROLIDONE	experimental/estimate	estimate
40	C5H9NO4	L-GLUTAMIC ACID	---	estimate
41	C5H10	CYCLOPENTANE	estimate	estimate
42	C5H10	2-METHYL-1-BUTENE	estimate	estimate
43	C5H10	2-METHYL-2-BUTENE	estimate	estimate
44	C5H10	3-METHYL-1-BUTENE	estimate	estimate
45	C5H10	1-PENTENE	estimate	experimental
46	C5H10	cis-2-PENTENE	estimate	estimate
47	C5H10	trans-2-PENTENE	estimate	estimate
48	C5H10Cl2	1,5-DICHLOROPENTANE	experimental/estimate	estimate
49	C5H10O	METHYL ISOPROPYL KETONE	estimate	estimate
50	C5H10O	2-PENTANONE	experimental/estimate	estimate
51	C5H10O	DIETHYL KETONE	experimental/estimate	estimate
52	C5H10O	VALERALDEHYDE	experimental/estimate	estimate
53	C5H10O2	n-BUTYL FORMATE	experimental/estimate	estimate
54	C5H10O2	ETHYL PROPIONATE	experimental/estimate	estimate
55	C5H10O2	ISOBUTYL FORMATE	estimate	estimate
56	C5H10O2	ISOPROPYL ACETATE	estimate	estimate
57	C5H10O2	n-PROPYL ACETATE	estimate	estimate
58	C5H10O2	METHYL n-BUTYRATE	estimate	estimate
59	C5H10O2	2-METHYLBUTYRIC ACID	estimate	estimate
60	C5H10O2	ISOVALERIC ACID	experimental/estimate	estimate
61	C5H10O2	VALERIC ACID	experimental/estimate	estimate
62	C5H10O2	TETRAHYDROFURFURYL ALCOHOL	estimate	estimate
63	C5H10O2S	3-METHYL SULFOLANE	estimate	estimate
64	C5H10O3	DIETHYL CARBONATE	---	---
65	C5H10O3	ETHYL LACTATE	estimate	estimate
66	C5H11Cl	1-CHLOROPENTANE	estimate	estimate
67	C5H11N	N-METHYLPYRROLIDINE	estimate	estimate

NO	FORMULA	NAME	LIQUID THERMAL COND.	GAS THERMAL COND.
68	C5H11N	PIPERIDINE	estimate	estimate
69	C5H11NO	tert-BUTYLFORMAMIDE	estimate	estimate
70	C5H12	ISOPENTANE	estimate	experimental
71	C5H12	NEOPENTANE	estimate	experimental
72	C5H12	n-PENTANE	experimental/estimate	experimental
73	C5H12O	2,2-DIMETHYL-1-PROPANOL	estimate	estimate
74	C5H12O	2-METHYL-1-BUTANOL	estimate	estimate
75	C5H12O	2-METHYL-2-BUTANOL	estimate	estimate
76	C5H12O	3-METHYL-1-BUTANOL	experimental/estimate	estimate
77	C5H12O	3-METHYL-2-BUTANOL	estimate	estimate
78	C5H12O	1-PENTANOL	experimental/estimate	estimate
79	C5H12O	2-PENTANOL	estimate	estimate
80	C5H12O	3-PENTANOL	estimate	estimate
81	C5H12O	METHYL sec-BUTYL ETHER	estimate	estimate
82	C5H12O	METHYL tert-BUTYL ETHER	experimental/estimate	estimate
83	C5H12O	METHYL ISOBUTYL ETHER	estimate	estimate
84	C5H12O	ETHYL PROPYL ETHER	estimate	experimental
85	C5H12O2	ETHYLENE GLYCOL MONOPROPYL ETHER	estimate	estimate
86	C5H12O2	NEOPENTYL GLYCOL	estimate	estimate
87	C5H12O2	1,5-PENTANEDIOL	estimate	estimate
88	C5H12O3	2-(2-METHOXYETHOXY)ETHANOL	experimental/estimate	estimate
89	C5H12O4	PENTAERYTHRITOL	estimate	estimate
90	C5H12S	n-PENTYL MERCAPTAN	estimate	estimate
91	C5H13N	n-PENTYLAMINE	experimental/estimate	estimate
92	C5H13NO2	METHYL DIETHANOLAMINE	estimate	estimate
93	C6Cl6	HEXACHLOROBENZENE	experimental/estimate	estimate
94	C6F6	HEXAFLUOROBENZENE	estimate	estimate
95	C6H3ClN2O4	1-CHLORO-2,4-DINITROBENZENE	---	estimate
96	C6H3Cl2NO2	1,2-DICHLORO-4-NITROBENZENE	---	estimate
97	C6H3Cl3	1,2,4-TRICHLOROBENZENE	experimental/estimate	estimate
98	C6H3N3O6	1,3,5-TRINITROBENZENE	---	---
99	C6H4Br2	m-DIBROMOBENZENE	experimental/estimate	estimate
100	C6H4ClNO2	m-CHLORONITROBENZENE	estimate	estimate
101	C6H4ClNO2	o-CHLORONITROBENZENE	estimate	estimate
102	C6H4ClNO2	p-CHLORONITROBENZENE	estimate	estimate
103	C6H4Cl2	m-DICHLOROBENZENE	experimental/estimate	estimate
104	C6H4Cl2	o-DICHLOROBENZENE	experimental/estimate	estimate
105	C6H4Cl2	p-DICHLOROBENZENE	estimate	estimate
106	C6H4N2O4	m-DINITROBENZENE	estimate	---
107	C6H4N2O4	o-DINITROBENZENE	estimate	---
108	C6H4N2O4	p-DINITROBENZENE	estimate	---
109	C6H5Br	BROMOBENZENE	experimental/estimate	estimate
110	C6H5Cl	MONOCHLOROBENZENE	experimental/estimate	estimate
111	C6H5ClO	m-CHLOROPHENOL	estimate	estimate
112	C6H5ClO	o-CHLOROPHENOL	estimate	estimate
113	C6H5ClO	p-CHLOROPHENOL	estimate	estimate
114	C6H5Cl2N	3,4-DICHLOROANILINE	estimate	estimate
115	C6H5F	FLUOROBENZENE	experimental/estimate	estimate
116	C6H5I	IODOBENZENE	estimate	estimate
117	C6H5NO2	NITROBENZENE	experimental/estimate	---
118	C6H6	BENZENE	experimental/estimate	experimental
119	C6H6ClN	m-CHLOROANILINE	estimate	estimate
120	C6H6ClN	o-CHLOROANILINE	estimate	estimate
121	C6H6ClN	p-CHLOROANILINE	estimate	estimate
122	C6H6N2	cis-DICYANO-1-BUTENE	estimate	estimate
123	C6H6N2	trans-DICYANO-1-BUTENE	estimate	estimate
124	C6H6N2	1,4-DICYANO-2-BUTENE	estimate	estimate
125	C6H6N2O2	m-NITROANILINE	estimate	---
126	C6H6N2O2	o-NITROANILINE	estimate	---
127	C6H6N2O2	p-NITROANILINE	estimate	---
128	C6H6O	PHENOL	experimental/estimate	estimate
129	C6H6O2	1,2-BENZENEDIOL	estimate	estimate
130	C6H6O2	1,3-BENZENEDIOL	estimate	estimate
131	C6H6O2	p-HYDROQUINONE	estimate	estimate
132	C6H6O3	1,2,3-BENZENETRIOL	estimate	estimate
133	C6H6S	PHENYL MERCAPTAN	estimate	estimate
134	C6H7N	ANILINE	experimental/estimate	estimate
135	C6H7N	2-METHYLPYRIDINE	estimate	estimate
136	C6H7N	3-METHYLPYRIDINE	estimate	estimate
137	C6H7N	4-METHYLPYRIDINE	estimate	estimate
138	C6H8	1,3-CYCLOHEXADIENE	estimate	estimate
139	C6H8	METHYLCYCLOPENTADIENE	estimate	estimate
140	C6H8N2	ADIPONITRILE	experimental/estimate	estimate
141	C6H8N2	METHYLGLUTARONITRILE	estimate	estimate
142	C6H8N2	m-PHENYLENEDIAMINE	estimate	estimate

NO	FORMULA	NAME	LIQUID THERMAL COND.	GAS THERMAL COND.
143	C6H8N2	o-PHENYLENEDIAMINE	estimate	estimate
144	C6H8N2	p-PHENYLENEDIAMINE	estimate	estimate
145	C6H8N2	PHENYLHYDRAZINE	estimate	---
146	C6H8N2O	BIS(CYANOETHYL)ETHER	estimate	estimate
147	C6H8O4	DIMETHYL MALEATE	estimate	estimate
148	C6H8O6	ASCORBIC ACID	estimate	estimate
149	C6H8O7	CITRIC ACID	estimate	estimate
150	C6H10	CYCLOHEXENE	estimate	estimate
151	C6H10	2,3-DIMETHYL-1,3-BUTADIENE	estimate	estimate
152	C6H10	1,5-HEXADIENE	estimate	estimate
153	C6H10	cis,trans-2,4-HEXADIENE	estimate	estimate
154	C6H10	trans,trans-2,4-HEXADIENE	estimate	estimate
155	C6H10	1-HEXYNE	estimate	estimate
156	C6H10	2-HEXYNE	estimate	estimate
157	C6H10	3-HEXYNE	estimate	estimate
158	C6H10O	CYCLOHEXANONE	experimental/estimate	estimate
159	C6H10O	MESITYL OXIDE	estimate	estimate
160	C6H10O2	epsilon-CAPROLACTONE	estimate	estimate
161	C6H10O2	ETHYL METHACRYLATE	estimate	estimate
162	C6H10O2	n-PROPYL ACRYLATE	estimate	estimate
163	C6H10O3	ETHYLACETOACETATE	estimate	estimate
164	C6H10O3	PROPIONIC ANHYDRIDE	estimate	estimate
165	C6H10O4	ADIPIC ACID	estimate	estimate
166	C6H10O4	DIETHYL OXALATE	estimate	estimate
167	C6H10O4	ETHYLENE GLYCOL DIACETATE	estimate	estimate
168	C6H10O4	ETHYLIDENE DIACETATE	estimate	estimate
169	C6H11N	HEXANENITRILE	estimate	estimate
170	C6H11NO	epsilon-CAPROLACTAM	estimate	estimate
171	C6H11NO	CYCLOHEXANONE OXIME	estimate	estimate
172	C6H12	CYCLOHEXANE	estimate	experimental
173	C6H12	2,3-DIMETHYL-1-BUTENE	estimate	estimate
174	C6H12	2,3-DIMETHYL-2-BUTENE	estimate	estimate
175	C6H12	3,3-DIMETHYL-1-BUTENE	estimate	estimate
176	C6H12	2-ETHYL-1-BUTENE	estimate	estimate
177	C6H12	1-HEXENE	experimental/estimate	experimental
178	C6H12	cis-2-HEXENE	estimate	estimate
179	C6H12	trans-2-HEXENE	estimate	estimate
180	C6H12	cis-3-HEXENE	estimate	estimate
181	C6H12	trans-3-HEXENE	estimate	estimate
182	C6H12	METHYLCYCLOPENTANE	estimate	estimate
183	C6H12	2-METHYL-1-PENTENE	estimate	estimate
184	C6H12	2-METHYL-2-PENTENE	estimate	estimate
185	C6H12	3-METHYL-1-PENTENE	estimate	estimate
186	C6H12	3-METHYL-cis-2-PENTENE	estimate	estimate
187	C6H12	4-METHYL-1-PENTENE	estimate	estimate
188	C6H12	4-METHYL-cis-2-PENTENE	estimate	estimate
189	C6H12	4-METHYL-trans-2-PENTENE	estimate	estimate
190	C6H12N2	TRIETHYLENEDIAMINE	estimate	---
191	C6H12O	BUTYL VINYL ETHER	estimate	estimate
192	C6H12O	CYCLOHEXANOL	experimental/estimate	estimate
193	C6H12O	1-HEXANAL	experimental/estimate	estimate
194	C6H12O	ETHYL ISOPROPYL KETONE	estimate	estimate
195	C6H12O	2-HEXANONE	experimental/estimate	estimate
196	C6H12O	3-HEXANONE	estimate	estimate
197	C6H12O	METHYL ISOBUTYL KETONE	estimate	estimate
198	C6H12O2	n-PENTYL FORMATE	experimental/estimate	estimate
199	C6H12O2	n-BUTYL ACETATE	experimental/estimate	experimental
200	C6H12O2	sec-BUTYL ACETATE	estimate	estimate
201	C6H12O2	tert-BUTYL ACETATE	estimate	estimate
202	C6H12O2	ETHYL n-BUTYRATE	estimate	estimate
203	C6H12O2	ETHYL ISOBUTYRATE	estimate	estimate
204	C6H12O2	ISOBUTYL ACETATE	estimate	experimental
205	C6H12O2	n-PROPYL PROPIONATE	estimate	estimate
206	C6H12O2	CYCLOHEXYL PEROXIDE	estimate	estimate
207	C6H12O2	DIACETONE ALCOHOL	estimate	estimate
208	C6H12O2	2-ETHYL BUTYRIC ACID	estimate	estimate
209	C6H12O2	n-HEXANOIC ACID	experimental/estimate	estimate
210	C6H12O3	2-ETHOXYETHYL ACETATE	estimate	estimate
211	C6H12O3	HYDROXYCAPROIC ACID	estimate	estimate
212	C6H12O3	PARALDEHYDE	experimental/estimate	estimate
213	C6H12O3	sec-BUTYL GLYCOLATE	---	---
214	C6H13N	CYCLOHEXYLAMINE	estimate	estimate
215	C6H13N	HEXAMETHYLENEIMINE	experimental/estimate	estimate
216	C6H14	2,2-DIMETHYLBUTANE	estimate	estimate
217	C6H14	2,3-DIMETHYLBUTANE	estimate	estimate

NO	FORMULA	NAME	LIQUID THERMAL COND.	GAS THERMAL COND.
218	C6H14	n-HEXANE	experimental/estimate	experimental
219	C6H14	2-METHYLPENTANE	estimate	estimate
220	C6H14	3-METHYLPENTANE	estimate	estimate
221	C6H14N2O2	LYSINE	estimate	---
222	C6H14O	2-ETHYL-1-BUTANOL	estimate	estimate
223	C6H14O	1-HEXANOL	experimental/estimate	estimate
224	C6H14O	2-HEXANOL	estimate	estimate
225	C6H14O	2-METHYL-1-PENTANOL	estimate	estimate
226	C6H14O	4-METHYL-2-PENTANOL	estimate	estimate
227	C6H14O	n-BUTYL ETHYL ETHER	estimate	estimate
228	C6H14O	DIISOPROPYL ETHER	estimate	estimate
229	C6H14O	DI-n-PROPYL ETHER	experimental/estimate	estimate
230	C6H14O	METHYL tert-PENTYL ETHER	estimate	estimate
231	C6H14O2	ACETAL	estimate	estimate
232	C6H14O2	2-BUTOXYETHANOL	experimental/estimate	estimate
233	C6H14O2	1,6-HEXANEDIOL	estimate	estimate
234	C6H14O2	HEXYLENE GLYCOL	estimate	estimate
235	C6H14O2S	DI-n-PROPYL SULFONE	estimate	estimate
236	C6H14O3	DIETHYLENE GLYCOL DIMETHYL ETHER	estimate	---
237	C6H14O3	DIPROPYLENE GLYCOL	estimate	estimate
238	C6H14O3	2-(2-ETHOXYETHOXY)ETHANOL	experimental/estimate	estimate
239	C6H14O3	TRIMETHYLOLPROPANE	estimate	estimate
240	C6H14O4	TRIETHYLENE GLYCOL	experimental/estimate	experimental
241	C6H14O6	SORBITOL	estimate	estimate
242	C6H14S	n-HEXYLMERCAPTAN	estimate	---
243	C6H15Al	TRIETHYL ALUMINUM	---	---
244	C6H15Al2Cl3	ETHYL ALUMINUM SESQUICHLORIDE	---	---
245	C6H15N	DIISOPROPYLAMINE	experimental/estimate	estimate
246	C6H15N	DI-n-PROPYLAMINE	experimental/estimate	estimate
247	C6H15N	n-HEXYLAMINE	experimental/estimate	estimate
248	C6H15N	TRIETHYLAMINE	experimental/estimate	experimental
249	C6H15NO	6-AMINOHEXANOL	estimate	estimate
250	C6H15NO2	DIISOPROPANOLAMINE	estimate	estimate
251	C6H15NO3	TRIETHANOLAMINE	experimental/estimate	estimate
252	C6H15N3	N-AMINOETHYL PIPERAZINE	estimate	estimate
253	C6H15O4P	TRIETHYL PHOSPHATE	---	---
254	C6H16N2	HEXAMETHYLENEDIAMINE	estimate	estimate
255	C6H18N3OP	HEXAMETHYL PHOSPHORAMIDE	---	---
256	C6H18N4	TRIETHYLENE TETRAMINE	estimate	estimate
257	C6H18OSi2	HEXAMETHYLDISILOXANE	estimate	estimate
258	C6H18O3Si3	HEXAMETHYLCYCLOTRISILOXANE	estimate	estimate
259	C6H19NSi2	HEXAMETHYLDISILAZANE	estimate	estimate
260	C7H3ClF3NO2	4-CHLORO-3-NITROBENZOTRIFLUORIDE	---	---
261	C7H3Cl2F3	2,4-DICHLOROBENZOTRIFLUORIDE	estimate	estimate
262	C7H3Cl2NO	3,4-DICHLOROPHENYL ISOCYANATE	estimate	---
263	C7H4ClF3	p-CHLOROBENZOTRIFLUORIDE	estimate	estimate
264	C7H4Cl2O	m-CHLOROBENZOYL CHLORIDE	estimate	estimate
265	C7H4F3NO2	3-NITROBENZOTRIFLUORIDE	---	---
266	C7H5ClO	BENZOYL CHLORIDE	estimate	estimate
267	C7H5ClO2	o-CHLOROBENZOIC ACID	estimate	estimate
268	C7H5Cl3	BENZOTRICHLORIDE	estimate	estimate
269	C7H5F3	BENZOTRIFLUORIDE	estimate	estimate
270	C7H5N	BENZONITRILE	experimental/estimate	estimate
271	C7H5NO	PHENYL ISOCYANATE	estimate	estimate
272	C7H5N3O6	2,4,6-TRINITROTOLUENE	experimental/estimate	---
273	C7H6Cl2	BENZYL DICHLORIDE	estimate	estimate
274	C7H6Cl2	2,4-DICHLOROTOLUENE	estimate	estimate
275	C7H6N2O4	2,4-DINITROTOLUENE	---	---
276	C7H6N2O4	2,5-DINITROTOLUENE	---	---
277	C7H6N2O4	2,6-DINITROTOLUENE	---	---
278	C7H6N2O4	3,4-DINITROTOLUENE	---	---
279	C7H6N2O4	3,5-DINITROTOLUENE	---	---
280	C7H6O	BENZALDEHYDE	experimental/estimate	estimate
281	C7H6O2	BENZOIC ACID	estimate	estimate
282	C7H6O2	p-HYDROXYBENZALDEHYDE	estimate	estimate
283	C7H6O2	SALICYLALDEHYDE	estimate	estimate
284	C7H6O3	SALICYLIC ACID	---	estimate
285	C7H7Br	p-BROMOTOLUENE	estimate	estimate
286	C7H7Cl	BENZYL CHLORIDE	experimental/estimate	estimate
287	C7H7Cl	o-CHLOROTOLUENE	estimate	estimate
288	C7H7Cl	p-CHLOROTOLUENE	experimental/estimate	estimate
289	C7H7NO	FORMANILIDE	estimate	estimate
290	C7H7NO2	m-NITROTOLUENE	experimental/estimate	estimate
291	C7H7NO2	o-NITROTOLUENE	estimate	estimate
292	C7H7NO2	p-NITROTOLUENE	estimate	estimate

NO	FORMULA	NAME	LIQUID THERMAL COND.	GAS THERMAL COND.
293	C7H7NO3	o-NITROANISOLE	estimate	---
294	C7H8	TOLUENE	experimental/estimate	experimental
295	C7H8O	ANISOLE	estimate	estimate
296	C7H8O	BENZYL ALCOHOL	experimental/estimate	estimate
297	C7H8O	m-CRESOL	experimental/estimate	estimate
298	C7H8O	o-CRESOL	experimental/estimate	estimate
299	C7H8O	p-CRESOL	experimental/estimate	estimate
300	C7H8O2	GUAIACOL	estimate	estimate
301	C7H8O2	p-METHOXYPHENOL	estimate	estimate
302	C7H9N	BENZYLAMINE	estimate	estimate
303	C7H9N	2,6-DIMETHYLPYRIDINE	estimate	estimate
304	C7H9N	N-METHYLANILINE	experimental/estimate	estimate
305	C7H9N	m-TOLUIDINE	estimate	estimate
306	C7H9N	o-TOLUIDINE	estimate	estimate
307	C7H9N	p-TOLUIDINE	estimate	estimate
308	C7H10	2-NORBORNENE	estimate	estimate
309	C7H10N2	TOLUENEDIAMINE	estimate	estimate
310	C7H11NO	CYCLOHEXYL ISOCYANATE	estimate	estimate
311	C7H12O2	n-BUTYL ACRYLATE	estimate	estimate
312	C7H12O2	ISOBUTYL ACRYLATE	estimate	estimate
313	C7H12O2	n-PROPYL METHACRYLATE	estimate	estimate
314	C7H12O4	DIETHYL MALONATE	estimate	estimate
315	C7H14	CYCLOHEPTANE	estimate	estimate
316	C7H14	1,1-DIMETYLCYCLOPENTANE	estimate	estimate
317	C7H14	cis-1,2-DIMETHYLCYCLOPENTANE	estimate	estimate
318	C7H14	trans-1,2-DIMETHYLCYCLOPENTANE	estimate	estimate
319	C7H14	cis-1,3-DIMETHYLCYCLOPENTANE	estimate	estimate
320	C7H14	trans-1,3-DIMETHYLCYCLOPENTANE	estimate	estimate
321	C7H14	ETHYLCYCLOPENTANE	estimate	estimate
322	C7H14	2-ETHYL-1-PENTENE	estimate	estimate
323	C7H14	3-ETHYL-1-PENTENE	estimate	estimate
324	C7H14	1-HEPTENE	experimental/estimate	experimental
325	C7H14	cis-2-HEPTENE	estimate	estimate
326	C7H14	trans-2-HEPTENE	estimate	estimate
327	C7H14	cis-3-HEPTENE	estimate	estimate
328	C7H14	trans-3-HEPTENE	estimate	estimate
329	C7H14	METHYLCYCLOHEXANE	experimental/estimate	estimate
330	C7H14	2-METHYL-1-HEXENE	estimate	estimate
331	C7H14	3-METHYL-1-HEXENE	estimate	estimate
332	C7H14	4-METHYL-1-HEXENE	estimate	estimate
333	C7H14	2,3,3-TRIMETHYL-1-BUTENE	estimate	estimate
334	C7H14O	DIISOPROPYL KETONE	estimate	estimate
335	C7H14O	2-HEPTANONE	experimental/estimate	estimate
336	C7H14O	1-HEPTANAL	experimental/estimate	estimate
337	C7H14O	1-METHYLCYCLOHEXANOL	estimate	estimate
338	C7H14O	cis-2-METHYLCYCLOHEXANOL	estimate	estimate
339	C7H14O	trans-2-METHYLCYCLOHEXANOL	estimate	estimate
340	C7H14O	cis-3-METHYLCYCLOHEXANOL	estimate	estimate
341	C7H14O	trans-3-METHYLCYCLOHEXANOL	estimate	estimate
342	C7H14O	cis-4-METHYLCYCLOHEXANOL	estimate	estimate
343	C7H14O	trans-4-METHYLCYCLOHEXANOL	estimate	estimate
344	C7H14O	5-METHYL-2-HEXANONE	estimate	estimate
345	C7H14O2	n-BUTYL PROPIONATE	estimate	estimate
346	C7H14O2	ETHYL ISOVALERATE	estimate	estimate
347	C7H14O2	ISOPENTYL ACETATE	estimate	experimental
348	C7H14O2	n-PENTYL ACETATE	estimate	experimental
349	C7H14O2	n-PROPYL n-BUTYRATE	estimate	estimate
350	C7H14O2	n-HEPTANOIC ACID	experimental/estimate	estimate
351	C7H14O3	ETHYL-3-ETHOXYPROPIONATE	estimate	estimate
352	C7H15Br	1-BROMOHEPTANE	experimental/estimate	estimate
353	C7H15N	N-METHYLCYCLOHEXYLAMINE	estimate	estimate
354	C7H16	2,2-DIMETHYLPENTANE	estimate	estimate
355	C7H16	2,3-DIMETHYLPENTANE	estimate	estimate
356	C7H16	2,4-DIMETHYLPENTANE	estimate	estimate
357	C7H16	3,3-DIMETHYLPENTANE	estimate	estimate
358	C7H16	3-ETHYLPENTANE	estimate	estimate
359	C7H16	n-HEPTANE	experimental/estimate	experimental
360	C7H16	2-METHYLHEXANE	estimate	estimate
361	C7H16	3-METHYLHEXANE	estimate	estimate
362	C7H16	2,2,3-TRIMETHYLBUTANE	estimate	estimate
363	C7H16O	1-HEPTANOL	experimental/estimate	estimate
364	C7H16O	2-HEPTANOL	estimate	estimate
365	C7H16O	5-METHYL-1-HEXANOL	estimate	estimate
366	C7H16S	n-HEPTYL MERCAPTAN	estimate	estimate
367	C7H17N	1-AMINOHEPTANE	experimental/estimate	estimate

Appendix D

COMPOUND LIST BY FORMULA

CBrClF2 BROMOCHLORODIFLUOROMETHANE.....1(Vol 1)
CBrCl3 BROMOTRICHLOROMETHANE.....2(Vol 1)
CBrF3 BROMOTRIFLUOROMETHANE.....3(Vol 1)
CBr2F2 DIBROMODIFLUOROMETHANE.....4(Vol 1)
CClF3 CHLOROTRIFLUOROMETHANE.....5(Vol 1)
CClN CYANOGEN CHLORIDE.....6(Vol 1)
CCl2F2 DICHLORODIFLUOROMETHANE.....7(Vol 1)
CCl2O PHOSGENE.....8(Vol 1)
CCl3F TRICHLOROFLUOROMETHANE.....9(Vol 1)
CCl4 CARBON TETRACHLORIDE.....10(Vol 1)
CF2O CARBONYL FLUORIDE.....11(Vol 1)
CF4 CARBON TETRAFLUORIDE.....12(Vol 1)
CHBr3 TRIBROMOMETHANE.....13(Vol 1)
CHClF2 CHLORODIFLUOROMETHANE.....14(Vol 1)
CHCl2F DICHLOROFLUOROMETHANE.....15(Vol 1)
CHCl3 CHLOROFORM.....16(Vol 1)
CHF3 TRIFLUOROMETHANE.....17(Vol 1)
CHN HYDROGEN CYANIDE.....18(Vol 1)
CH2BrCl BROMOCHLOROMETHANE.....19(Vol 1)
CH2Br2 DIBROMOMETHANE.....20(Vol 1)
CH2Cl2 DICHLOROMETHANE.....21(Vol 1)
CH2F2 DIFLUOROMETHANE.....22(Vol 1)
CH2I2 DIIODOMETHANE.....23(Vol 1)
CH2O FORMALDEHYDE.....24(Vol 1)
CH2O2 FORMIC ACID.....25(Vol 1)
CH3Br METHYL BROMIDE.....26(Vol 1)
CH3Cl METHYL CHLORIDE.....27(Vol 1)
CH3Cl3Si METHYL TRICHLOROSILANE.....28(Vol 1)
CH3F METHYL FLUORIDE.....29(Vol 1)
CH3I METHYL IODIDE.....30(Vol 1)
CH3NO FORMAMIDE.....31(Vol 1)
CH3NO2 NITROMETHANE.....32(Vol 1)
CH4 METHANE.....33(Vol 1)
CH4Cl2Si METHYL DICHLOROSILANE.....34(Vol 1)
CH4O METHANOL.....35(Vol 1)
CH4O3S METHANESULFONIC ACID.....36(Vol 1)
CH4S METHYL MERCAPTAN.....37(Vol 1)
CH5ClSi METHYL CHLOROSILANE.....38(Vol 1)
CH5N METHYLAMINE.....39(Vol 1)
CH6Si METHYL SILANE.....40(Vol 1)
CN4O8 TETRANITROMETHANE.....41(Vol 1)
CO CARBON MONOXIDE.....42(Vol 1)
COS CARBONYL SULFIDE.....43(Vol 1)
CO2 CARBON DIOXIDE.....44(Vol 1)
CS2 CARBON DISULFIDE.....45(Vol 1)
C2BrF3 BROMOTRIFLUOROETHYLENE.....46(Vol 1)
C2Br2F4 1,2-DIBROMOTETRAFLUOROETHANE.....47(Vol 1)
C2ClF3 CHLOROTRIFLUOROETHYLENE.....48(Vol 1)
C2ClF5 CHLOROPENTAFLUOROETHANE.....49(Vol 1)
C2Cl2F4 1,2-DICHLOROTETRAFLUOROETHANE.....50(Vol 1)
C2Cl3F3 1,1,2-TRICHLOROTRIFLUOROETHANE.....51(Vol 1)
C2Cl4 TETRACHLOROETHYLENE.....52(Vol 1)
C2Cl4F2 1,1,2,2-TETRACHLORODIFLUOROETHANE....53(Vol 1)
C2Cl4O TRICHLOROACETYL CHLORIDE.....54(Vol 1)
C2Cl6 HEXACHLOROETHANE.....55(Vol 1)
C2F4 TETRAFLUOROETHYLENE.....56(Vol 1)
C2F6 HEXAFLUOROETHANE.....57(Vol 1)
C2HBrClF3 HALOTHANE.....58(Vol 1)
C2HClF2 2-CHLORO-1,1-DIFLUOROETHYLENE.....59(Vol 1)
C2HCl3 TRICHLOROETHYLENE.....60(Vol 1)
C2HCl3O DICHLOROACETYL CHLORIDE.....61(Vol 1)
C2HCl3O TRICHLOROACETALDEHYDE.....62(Vol 1)
C2HCl5 PENTACHLOROETHANE.....63(Vol 1)
C2HF3O2 TRIFLUOROACETIC ACID.....64(Vol 1)
C2HF5 PENTAFLUOROETHANE.....65(Vol 1)
C2H2 ACETYLENE.....66(Vol 1)
C2H2Br4 1,1,2,2-TETRABROMOETHANE.....67(Vol 1)
C2H2Cl2 1,1-DICHLOROETHYLENE.....68(Vol 1)
C2H2Cl2 cis-1,2-DICHLOROETHYLENE.....69(Vol 1)
C2H2Cl2 trans-1,2-DICHLOROETHYLENE.....70(Vol 1)
C2H2Cl2O CHLOROACETYL CHLORIDE.....71(Vol 1)
C2H2Cl2O DICHLOROACETALDEHYDE.....72(Vol 1)
C2H2Cl2O2 DICHLOROACETIC ACID.....73(Vol 1)
C2H2Cl3F 1,1,1-TRICHLOROFLUOROETHANE.....74(Vol 1)
C2H2Cl4 1,1,1,2-TETRACHLOROETHANE.....75(Vol 1)
C2H2Cl4 1,1,2,2-TETRACHLOROETHANE.....76(Vol 1)
C2H2F2 1,1-DIFLUOROETHYLENE.....77(Vol 1)
C2H2F4 1,1,1,2-TETRAFLUOROETHANE.....78(Vol 1)
C2H2O KETENE.....79(Vol 1)
C2H2O4 OXALIC ACID.....80(Vol 1)
C2H3Br VINYL BROMIDE.....81(Vol 1)
C2H3Cl VINYL CHLORIDE.....82(Vol 1)
C2H3ClF2 1-CHLORO-1,1-DIFLUOROETHANE.....83(Vol 1)
C2H3ClO ACETYL CHLORIDE.....84(Vol 1)
C2H3ClO CHLOROACETALDEHYDE.....85(Vol 1)
C2H3ClO2 CHLOROACETIC ACID.....86(Vol 1)
C2H3ClO2 METHYL CHLOROFORMATE.....87(Vol 1)
C2H3Cl3 1,1,1-TRICHLOROETHANE.....88(Vol 1)
C2H3Cl3 1,1,2-TRICHLOROETHANE.....89(Vol 1)
C2H3F VINYL FLUORIDE.....90(Vol 1)
C2H3F3 1,1,1-TRIFLUOROETHANE.....91(Vol 1)
C2H3N ACETONITRILE.....92(Vol 1)
C2H3NO METHYL ISOCYANATE.....93(Vol 1)
C2H4 ETHYLENE.....94(Vol 1)
C2H4Br2 1,1-DIBROMOETHANE.....95(Vol 1)
C2H4Br2 1,2-DIBROMOETHANE.....96(Vol 1)
C2H4Cl2 1,1-DICHLOROETHANE.....97(Vol 1)
C2H4Cl2 1,2-DICHLOROETHANE.....98(Vol 1)
C2H4Cl2O BIS(CHLOROMETHYL)ETHER.....99(Vol 1)
C2H4F2 1,1-DIFLUOROETHANE.....100(Vol 1)
C2H4F2 1,2-DIFLUOROETHANE.....101(Vol 1)
C2H4O ACETALDEHYDE.....102(Vol 1)
C2H4O ETHYLENE OXIDE.....103(Vol 1)
C2H4O2 ACETIC ACID.....104(Vol 1)
C2H4O2 METHYL FORMATE.....105(Vol 1)
C2H5Br BROMOETHANE.....106(Vol 1)
C2H5Cl ETHYL CHLORIDE.....107(Vol 1)
C2H5ClO 2-CHLOROETHANOL.....108(Vol 1)
C2H5F ETHYL FLUORIDE.....109(Vol 1)
C2H5I ETHYL IODIDE.....110(Vol 1)
C2H5N ETHYLENEIMINE.....111(Vol 1)
C2H5NO ACETAMIDE.....112(Vol 1)
C2H5NO N-METHYLFORMAMIDE.....113(Vol 1)
C2H5NO2 NITROETHANE.....114(Vol 1)
C2H6 ETHANE.....115(Vol 1)
C2H6AlCl DIMETHYLALUMINUM CHLORIDE.....116(Vol 1)
C2H6O DIMETHYL ETHER.....117(Vol 1)
C2H6O ETHANOL.....118(Vol 1)
C2H6OS DIMETHYL SULFOXIDE.....119(Vol 1)
C2H6O2 ETHYLENE GLYCOL.....120(Vol 1)
C2H6O4S DIMETHYL SULFATE.....121(Vol 1)
C2H6S DIMETHYL SULFIDE.....122(Vol 1)
C2H6S ETHYL MERCAPTAN.....123(Vol 1)
C2H6S2 DIMETHYL DISULFIDE.....124(Vol 1)
C2H7N DIMETHYLAMINE.....125(Vol 1)
C2H7N ETHYLAMINE.....126(Vol 1)
C2H7NO MONOETHANOLAMINE.....127(Vol 1)
C2H8N2 ETHYLENEDIAMINE.....128(Vol 1)
C2H8Si DIMETHYL SILANE.....129(Vol 1)
C2N2 CYANOGEN.....130(Vol 1)

C3F6 HEXAFLUOROPROPYLENE.....131(Vol 1)
C3F6O HEXAFLUOROACETONE.....132(Vol 1)
C3F8 OCTAFLUOROPROPANE.....133(Vol 1)
C3H2N2 MALONONITRILE.....134(Vol 1)
C3H3Cl PROPARGYL CHLORIDE.....135(Vol 1)
C3H3N ACRYLONITRILE.....136(Vol 1)
C3H3NO OXAZOLE.....137(Vol 1)
C3H4 METHYLACETYLENE.....138(Vol 1)
C3H4 PROPADIENE.....139(Vol 1)
C3H4Cl2 2,3-DICHLOROPROPENE.....140(Vol 1)
C3H4O ACROLEIN.....141(Vol 1)
C3H4O PROPARGYL ALCOHOL.....142(Vol 1)
C3H4O2 ACRYLIC ACID.....143(Vol 1)
C3H4O2 beta-PROPIOLACTONE.....144(Vol 1)
C3H4O2 VINYL FORMATE.....145(Vol 1)
C3H4O3 ETHYLENE CARBONATE.....146(Vol 1)
C3H4O3 PYRUVIC ACID.....147(Vol 1)
C3H5Cl 2-CHLOROPROPENE.....148(Vol 1)
C3H5Cl 3-CHLOROPROPENE.....149(Vol 1)
C3H5ClO alpha-EPICHLOROHYDRIN.....150(Vol 1)
C3H5ClO2 METHYL CHLOROACETATE.....151(Vol 1)
C3H5ClO2 ETHYL CHLOROFORMATE.....152(Vol 1)
C3H5Cl3 1,2,3-TRICHLOROPROPANE.....153(Vol 1)
C3H5N PROPIONITRILE.....154(Vol 1)
C3H5NO ACRYLAMIDE.....155(Vol 1)
C3H5NO HYDRACRYLONITRILE.....156(Vol 1)
C3H5NO LACTONITRILE.....157(Vol 1)
C3H5N3O9 NITROGLYCERINE.....158(Vol 1)
C3H6 CYCLOPROPANE.....159(Vol 1)
C3H6 PROPYLENE.....160(Vol 1)
C3H6Cl2 1,1-DICHLOROPROPANE.....161(Vol 1)
C3H6Cl2 1,2-DICHLOROPROPANE.....162(Vol 1)
C3H6Cl2 1,3-DICHLOROPROPANE.....163(Vol 2)
C3H6O ACETONE.....164(Vol 1)
C3H6O ALLYL ALCOHOL.....165(Vol 1)
C3H6O METHYL VINYL ETHER.....166(Vol 1)
C3H6O n-PROPIONALDEHYDE.....167(Vol 1)
C3H6O 1,2-PROPYLENE OXIDE.....168(Vol 1)
C3H6O 1,3-PROPYLENE OXIDE.....169(Vol 1)
C3H6O2 ETHYL FORMATE.....170(Vol 1)
C3H6O2 METHYL ACETATE.....171(Vol 1)
C3H6O2 PROPIONIC ACID.....172(Vol 1)
C3H6O2S 3-MERCAPTOPROPIONIC ACID.....173(Vol 1)
C3H6O3 LACTIC ACID.....174(Vol 1)
C3H6O3 METHOXYACETIC ACID.....175(Vol 1)
C3H6O3 TRIOXANE.....176(Vol 1)
C3H7Br 1-BROMOPROPANE.....177(Vol 1)
C3H7Br 2-BROMOPROPANE.....178(Vol 1)
C3H7Cl ISOPROPYL CHLORIDE.....179(Vol 1)
C3H7Cl n-PROPYL CHLORIDE.....180(Vol 1)
C3H7I ISOPROPYL IODIDE.....181(Vol 1)
C3H7I n-PROPYL IODIDE.....182(Vol 1)
C3H7N ALLYLAMINE.....183(Vol 1)
C3H7N PROPYLENEIMINE.....184(Vol 1)
C3H7NO N,N-DIMETHYLFORMAMIDE.....185(Vol 1)
C3H7NO N-METHYLACETAMIDE.....186(Vol 1)
C3H7NO2 1-NITROPROPANE.....187(Vol 1)
C3H7NO2 2-NITROPROPANE.....188(Vol 1)
C3H8 PROPANE.....189(Vol 1)
C3H8O ISOPROPANOL.....190(Vol 1)
C3H8O METHYL ETHYL ETHER.....191(Vol 1)
C3H8O n-PROPANOL.....192(Vol 1)
C3H8O2 2-METHOXYETHANOL.....193(Vol 1)
C3H8O2 METHYLAL.....194(Vol 1)
C3H8O2 1,2-PROPYLENE GLYCOL.....195(Vol 1)
C3H8O2 1,3-PROPYLENE GLYCOL.....196(Vol 1)
C3H8O3 GLYCEROL.....197(Vol 1)
C3H8S n-PROPYLMERCAPTAN.....198(Vol 1)
C3H8S ISOPROPYL MERCAPTAN.....199(Vol 1)
C3H9N n-PROPYLAMINE.....200(Vol 1)
C3H9N ISOPROPYLAMINE.....201(Vol 1)
C3H9N TRIMETHYLAMINE.....202(Vol 1)
C3H9NO 1-AMINO-2-PROPANOL.....203(Vol 1)
C3H9NO 3-AMINO-1-PROPANOL.....204(Vol 1)
C3H9NO METHYLETHANOLAMINE.....205(Vol 1)
C3H9O4P TRIMETHYL PHOSPHATE.....206(Vol 1)
C3H10N2 1,2-PROPANEDIAMINE.....207(Vol 1)
C3H10Si TRIMETHYL SILANE.....208(Vol 1)
C4Cl4S TETRACHLOROTHIOPHENE.. .....209(Vol 1)
C4Cl6 HEXACHLORO-1,3-BUTADIENE.....210(Vol 1)
C4F8 OCTAFLUORO-2-BUTENE.....211(Vol 1)
C4F8 OCTAFLUOROCYCLOBUTANE.....212(Vol 1)
C4F10 DECAFLUOROBUTANE.....213(Vol 1)
C4H2O3 MALEIC ANHYDRIDE.....214(Vol 1)
C4H4 VINYLACETYLENE.....215(Vol 1)
C4H4N2 SUCCINONITRILE.....216(Vol 1)
C4H4O FURAN.....217(Vol 1)
C4H4O2 DIKETENE.....218(Vol 1)
C4H4O3 SUCCINIC ANHYDRIDE.....219(Vol 1)
C4H4O4 FUMARIC ACID.....220(Vol 1)
C4H4O4 MALEIC ACID.....221(Vol 1)
C4H4S THIOPHENE.....222(Vol 1)
C4H5Cl CHLOROPRENE.....223(Vol 1)
C4H5N trans-CROTONITRILE.....224(Vol 1)
C4H5N cis-CROTONITRILE.....225(Vol 1)
C4H5N METHACRYLONITRILE.....226(Vol 1)
C4H5N PYRROLE.....227(Vol 1)
C4H5N VINYLACETONITRILE.....228(Vol 1)
C4H5NO2 METHYL CYANOACETATE.....229(Vol 1)
C4H6 1,2-BUTADIENE.....230(Vol 1)
C4H6 1,3-BUTADIENE.....231(Vol 1)
C4H6 DIMETHYLACETYLENE.....232(Vol 1)
C4H6 ETHYLACETYLENE.....233(Vol 1)
C4H6Cl2 1,3-DICHLORO-trans-2-BUTENE.....234(Vol 1)
C4H6Cl2 1,4-DICHLORO-cis-2-BUTENE.....235(Vol 1)
C4H6Cl2 1,4-DICHLORO-trans-2-BUTENE.....236(Vol 1)
C4H6Cl2 3,4-DICHLORO-1-BUTENE.....237(Vol 1)
C4H6O trans-CROTONALDEHYDE.....238(Vol 1)
C4H6O 2,5-DIHYDROFURAN.....239(Vol 1)
C4H6O DIVINYL ETHER.....240(Vol 1)
C4H6O METHACROLEIN.....241(Vol 1)
C4H6O2 2-BUTYNE-1,4-DIOL.....242(Vol 1)
C4H6O2 gamma-BUTYROLACTONE.....243(Vol 1)
C4H6O2 cis-CROTONIC ACID.....244(Vol 1)
C4H6O2 trans-CROTONIC ACID.....245(Vol 1)
C4H6O2 METHACRYLIC ACID.....246(Vol 1)
C4H6O2 METHYL ACRYLATE.....247(Vol 1)
C4H6O2 VINYL ACETATE.....248(Vol 1)
C4H6O3 ACETIC ANHYDRIDE.....249(Vol 1)
C4H6O4 SUCCINIC ACID.....250(Vol 1)
C4H6O5 DIGLYCOLIC ACID.....251(Vol 1)
C4H6O5 MALIC ACID.....252(Vol 1)
C4H6O6 TARTARIC ACID.....253(Vol 1)
C4H7N n-BUTYRONITRILE.....254(Vol 1)
C4H7N ISOBUTYRONITRILE.....255(Vol 1)
C4H7NO ACETONE CYANOHYDRIN.....256(Vol 1)
C4H7NO 2-METHACRYLAMIDE.....257(Vol 1)
C4H7NO 3-METHOXYPROPIONITRILE.....258(Vol 1)
C4H7NO 2-PYRROLIDONE.....259(Vol 1)
C4H8 1-BUTENE.....260(Vol 1)
C4H8 cis-2-BUTENE.....261(Vol 1)
C4H8 trans-2-BUTENE.....262(Vol 1)
C4H8 CYCLOBUTANE.....263(Vol 1)
C4H8 ISOBUTENE.....264(Vol 1)
C4H8Cl2 1,4-DICHLOROBUTANE.....265(Vol 1)
C4H8O n-BUTYRALDEHYDE.....266(Vol 1)
C4H8O ISOBUTYRALDEHYDE.....267(Vol 1)
C4H8O 1,2-EPOXYBUTANE.....268(Vol 1)
C4H8O METHYL ETHYL KETONE.....269(Vol 1)
C4H8O ETHYL VINYL ETHER.....270(Vol 1)
C4H8O TETRAHYDROFURAN.....271(Vol 1)
C4H8O2 cis-2-BUTENE-1,4-DIOL.....272(Vol 1)
C4H8O2 trans-2-BUTENE-1,4-DIOL.....273(Vol 1)
C4H8O2 ISOBUTYRIC ACID.....274(Vol 1)

C4H8O2 n-BUTYRIC ACID.....275(Vol 1)
C4H8O2 1,4-DIOXANE.....276(Vol 1)
C4H8O2 ETHYL ACETATE.....277(Vol 1)
C4H8O2 METHYL PROPIONATE.....278(Vol 1)
C4H8O2 n-PROPYL FORMATE.....279(Vol 1)
C4H8O2S SULFOLANE.....280(Vol 1)
C4H8S TETRAHYDROTHIOPHENE.....281(Vol 1)
C4H9Br 1-BROMOBUTANE.....282(Vol 1)
C4H9Br 2-BROMOBUTANE.....283(Vol 1)
C4H9Cl n-BUTYL CHLORIDE.....284(Vol 1)
C4H9Cl sec-BUTYL CHLORIDE.....285(Vol 1)
C4H9Cl tert-BUTYL CHLORIDE.....286(Vol 1)
C4H9N PYRROLIDINE.....287(Vol 1)
C4H9NO N,N-DIMETHYLACETAMIDE.....288(Vol 1)
C4H9NO MORPHOLINE.....289(Vol 1)
C4H10 n-BUTANE.....290(Vol 1)
C4H10 ISOBUTANE.....291(Vol 1)
C4H10N2 PIPERAZINE.....292(Vol 1)
C4H10O n-BUTANOL.....293(Vol 1)
C4H10O sec-BUTANOL.....294(Vol 1)
C4H10O tert-BUTANOL.....295(Vol 1)
C4H10O DIETHYL ETHER.....296(Vol 1)
C4H10O METHYL ISOPROPYL ETHER.....297(Vol 1)
C4H10O ISOBUTANOL.....298(Vol 1)
C4H10O2 1,3-BUTANEDIOL.....299(Vol 1)
C4H10O2 1,4-BUTANEDIOL.....300(Vol 1)
C4H10O2 2,3-BUTANEDIOL.....301(Vol 1)
C4H10O2 t-BUTYL HYDROPEROXIDE.....302(Vol 1)
C4H10O2 1,2-DIMETHOXYETHANE.....303(Vol 1)
C4H10O2 2-ETHOXYETHANOL.....304(Vol 1)
C4H10O3 DIETHYLENE GLYCOL.....305(Vol 1)
C4H10O4S DIETHYL SULFATE.....306(Vol 1)
C4H10S n-BUTYL MERCAPTAN .....307(Vol 1)
C4H10S ISOBUTYL MERCAPTAN.....308(Vol 1)
C4H10S sec-BUTYL MERCAPTAN.....309(Vol 1)
C4H10S tert-BUTYL MERCAPTAN.....310(Vol 1)
C4H10S DIETHYL SULFIDE.....311(Vol 1)
C4H10S2 DIETHYL DISULFIDE.....312(Vol 1)
C4H11N n-BUTYLAMINE.....313(Vol 1)
C4H11N ISOBUTYLAMINE.....314(Vol 1)
C4H11N sec-BUTYLAMINE.....315(Vol 1)
C4H11N tert-BUTYLAMINE.....316(Vol 1)
C4H11N DIETHYLAMINE.....317(Vol 1)
C4H11NO DIMETHYLETHANOLAMINE.....318(Vol 1)
C4H11NO2 DIETHANOLAMINE.....319(Vol 1)
C4H11NO2 2-AMINOETHOXYETHANOL.....320(Vol 1)
C4H12N2O N-AMINOETHYL ETHANOLAMINE.....321(Vol 1)
C4H12Si TETRAMETHYLSILANE.....322(Vol 1)
C4H13N3 DIETHYLENE TRIAMINE.....323(Vol 1)
C5Cl6 HEXACHLOROCYCLOPENTADIENE.....1(Vol 2)
C5H4O2 FURFURAL.....2(Vol 2)
C5H5N PYRIDINE.....3(Vol 2)
C5H6 CYCLOPENTADIENE.....4(Vol 2)
C5H6 2-METHYL-1-BUTENE-3-YNE.....5(Vol 2)
C5H6 1-PENTENE-3-YNE.....6(Vol 2)
C5H6 1-PENTENE-4-YNE.....7(Vol 2)
C5H6N2 GLUTARONITRILE.....8(Vol 2)
C5H6O2 FURFURYL ALCOHOL.....9(Vol 2)
C5H6O3 GLUTARIC ANHYDRIDE.....10(Vol 2)
C5H6O4 CITRACONIC ACID.....11(Vol 2)
C5H6O4 ITACONIC ACID.....12(Vol 2)
C5H7N N-METHYLPYRROLE.....13(Vol 2)
C5H7NO2 ETHYL CYANOACETATE.....14(Vol 2)
C5H8 CYCLOPENTENE.....15(Vol 2)
C5H8 ISOPRENE.....16(Vol 2)
C5H8 3-METHYL-1,2-BUTADIENE.....17(Vol 2)
C5H8 1,2-PENTADIENE.....18(Vol 2)
C5H8 cis-1,3-PENTADIENE.....19(Vol 2)
C5H8 trans-1,3-PENTADIENE.....20(Vol 2)
C5H8 1,4-PENTADIENE.....21(Vol 2)
C5H8 2,3-PENTADIENE.....22(Vol 2)
C5H8 1-PENTYNE.....23(Vol 2)
C5H8 3-METHYL-1-BUTYNE.....24(Vol 2)
C5H8N4O12 PENTAERYTHRITOL TETRANITRATE.....25(Vol 2)
C5H8O CYCLOPENTANONE.....26(Vol 2)
C5H8O METHYL ISOPROPENYL KETONE.....27(Vol 2)
C5H8O2 ACETYLACETONE.....28(Vol 2)
C5H8O2 ALLYL ACETATE.....29(Vol 2)
C5H8O2 ETHYL ACRYLATE.....30(Vol 2)
C5H8O2 METHYL METHACRYLATE.....31(Vol 2)
C5H8O2 VINYL PROPIONATE.....32(Vol 2)
C5H8O3 2-HYDROXYETHYL ACRYLATE.....33(Vol 2)
C5H8O3 LEVULINIC ACID.....34(Vol 2)
C5H8O3 METHYL ACETOACETATE.....35(Vol 2)
C5H8O4 GLUTARIC ACID.....36(Vol 2)
C5H9N VALERONITRILE.....37(Vol 2)
C5H9NO n-BUTYL ISOCYANATE.....38(Vol 2)
C5H9NO N-METHYL-2-PYRROLIDONE.....39(Vol 2)
C5H9NO4 L-GLUTAMIC ACID.....40(Vol 2)
C5H10 CYCLOPENTANE.....41(Vol 2)
C5H10 2-METHYL-1-BUTENE.....42(Vol 2)
C5H10 2-METHYL-2-BUTENE.....43(Vol 2)
C5H10 3-METHYL-1-BUTENE.....44(Vol 2)
C5H10 1-PENTENE.....45(Vol 2)
C5H10 cis-2-PENTENE.....46(Vol 2)
C5H10 trans-2-PENTENE.....47(Vol 2)
C5H10Cl2 1,5-DICHLOROPENTANE.....48(Vol 2)
C5H10O METHYL ISOPROPYL KETONE.....49(Vol 2)
C5H10O 2-PENTANONE.....50(Vol 2)
C5H10O DIETHYL KETONE.....51(Vol 2)
C5H10O VALERALDEHYDE.....52(Vol 2)
C5H10O2 n-BUTYL FORMATE.....53(Vol 2)
C5H10O2 ETHYL PROPIONATE.....54(Vol 2)
C5H10O2 ISOBUTYL FORMATE.....55(Vol 2)
C5H10O2 ISOPROPYL ACETATE.....56(Vol 2)
C5H10O2 n-PROPYL ACETATE.....57(Vol 2)
C5H10O2 METHYL n-BUTYRATE.....58(Vol 2)
C5H10O2 2-METHYLBUTYRIC ACID.....59(Vol 2)
C5H10O2 ISOVALERIC ACID.....60(Vol 2)
C5H10O2 VALERIC ACID.....61(Vol 2)
C5H10O2 TETRAHYDROFURFURYL ALCOHOL.....62(Vol 2)
C5H10O2S 3-METHYL SULFOLANE.....63(Vol 2)
C5H10O3 DIETHYL CARBONATE.....64(Vol 2)
C5H10O3 ETHYL LACTATE.....65(Vol 2)
C5H11Cl 1-CHLOROPENTANE.....66(Vol 2)
C5H11N N-METHYLPYRROLIDINE.....67(Vol 2)
C5H11N PIPERIDINE.....68(Vol 2)
C5H11NO tert-BUTYLFORMAMIDE.....69(Vol 2)
C5H12 ISOPENTANE.....70(Vol 2)
C5H12 NEOPENTANE.....71(Vol 2)
C5H12 n-PENTANE.....72(Vol 2)
C5H12O 2,2-DIMETHYL-1-PROPANOL.....73(Vol 2)
C5H12O 2-METHYL-1-BUTANOL.....74(Vol 2)
C5H12O 2-METHYL-2-BUTANOL.....75(Vol 2)
C5H12O 3-METHYL-1-BUTANOL.....76(Vol 2)
C5H12O 3-METHYL-2-BUTANOL.....77(Vol 2)
C5H12O 1-PENTANOL.....78(Vol 2)
C5H12O 2-PENTANOL.....79(Vol 2)
C5H12O 3-PENTANOL.....80(Vol 2)
C5H12O METHYL sec-BUTYL ETHER.....81(Vol 2)
C5H12O METHYL tert-BUTYL ETHER.....82(Vol 2)
C5H12O METHYL ISOBUTYL ETHER.....83(Vol 2)
C5H12O ETHYL PROPYL ETHER.....84(Vol 2)
C5H12O2 ETHYLENE GLYCOL MONOPROPYL ETHER.....85(Vol 2)
C5H12O2 NEOPENTYL GLYCOL.....86(Vol 2)
C5H12O2 1,5-PENTANEDIOL.....87(Vol 2)
C5H12O3 2-(2-METHOXYETHOXY)ETHANOL.....88(Vol 2)
C5H12O4 PENTAERYTHRITOL.....89(Vol 2)
C5H12S n-PENTYL MERCAPTAN.....90(Vol 2)
C5H13N n-PENTYLAMINE.....91(Vol 2)
C5H13NO2 METHYL DIETHANOLAMINE.....92(Vol 2)
C6Cl6 HEXACHLOROBENZENE.....93(Vol 2)
C6F6 HEXAFLUOROBENZENE.....94(Vol 2)
C6H3ClN2O4 1-CHLORO-2,4-DINITROBENZENE.....95(Vol 2)

C6H3Cl2NO2 1,2-DICHLORO-4-NITROBENZENE.....96(Vol 2)
C6H3Cl3 1,2,4-TRICHLOROBENZENE.....97(Vol 2)
C6H3N3O6 1,3,5-TRINITROBENZENE.....98(Vol 2)
C6H4Br2 m-DIBROMOBENZENE.....99(Vol 2)
C6H4ClNO2 m-CHLORONITROBENZENE.....100(Vol 2)
C6H4ClNO2 o-CHLORONITROBENZENE.....101(Vol 2)
C6H4ClNO2 p-CHLORONITROBENZENE.....102(Vol 2)
C6H4Cl2 m-DICHLOROBENZENE.....103(Vol 2)
C6H4Cl2 o-DICHLOROBENZENE.....104(Vol 2)
C6H4Cl2 p-DICHLOROBENZENE.....105(Vol 2)
C6H4N2O4 m-DINITROBENZENE.....106(Vol 2)
C6H4N2O4 o-DINITROBENZENE.....107(Vol 2)
C6H4N2O4 p-DINITROBENZENE.....108(Vol 2)
C6H5Br BROMOBENZENE.....109(Vol 2)
C6H5Cl MONOCHLOROBENZENE.....110(Vol 2)
C6H5ClO m-CHLOROPHENOL.....111(Vol 2)
C6H5ClO o-CHLOROPHENOL.....112(Vol 2)
C6H5ClO p-CHLOROPHENOL.....113(Vol 2)
C6H5Cl2N 3,4-DICHLOROANILINE.....114(Vol 2)
C6H5F FLUOROBENZENE.....115(Vol 2)
C6H5I IODOBENZENE.....116(Vol 2)
C6H5NO2 NITROBENZENE.....117(Vol 2)
C6H6 BENZENE.....118(Vol 2)
C6H6ClN m-CHLOROANILINE.....119(Vol 2)
C6H6ClN o-CHLOROANILINE.....120(Vol 2)
C6H6ClN p-CHLOROANILINE.....121(Vol 2)
C6H6N2 cis-DICYANO-1-BUTENE.....122(Vol 2)
C6H6N2 trans-DICYANO-1-BUTENE.....123(Vol 2)
C6H6N2 1,4-DICYANO-2-BUTENE.....124(Vol 2)
C6H6N2O2 m-NITROANILINE.....125(Vol 2)
C6H6N2O2 o-NITROANILINE.....126(Vol 2)
C6H6N2O2 p-NITROANILINE.....127(Vol 2)
C6H6O PHENOL.....128(Vol 2)
C6H6O2 1,2-BENZENEDIOL.....129(Vol 2)
C6H6O2 1,3-BENZENEDIOL.....130(Vol 2)
C6H6O2 p-HYDROQUINONE.....131(Vol 2)
C6H6O3 1,2,3-BENZENETRIOL.....132(Vol 2)
C6H6S PHENYL MERCAPTAN.....133(Vol 2)
C6H7N ANILINE.....134(Vol 2)
C6H7N 2-METHYLPYRIDINE.....135(Vol 2)
C6H7N 3-METHYLPYRIDINE.....136(Vol 2)
C6H7N 4-METHYLPYRIDINE.....137(Vol 2)
C6H8 1,3-CYCLOHEXADIENE.....138(Vol 2)
C6H8 METHYLCYCLOPENTADIENE.....139(Vol 2)
C6H8N2 ADIPONITRILE.....140(Vol 2)
C6H8N2 METHYLGLUTARONITRILE.....141(Vol 2)
C6H8N2 m-PHENYLENEDIAMINE.....142(Vol 2)
C6H8N2 o-PHENYLENEDIAMINE.....143(Vol 2)
C6H8N2 p-PHENYLENEDIAMINE.....144(Vol 2)
C6H8N2 PHENYLHYDRAZINE.....145(Vol 2)
C6H8N2O BIS(CYANOETHYL)ETHER.....146(Vol 2)
C6H8O4 DIMETHYL MALEATE.....147(Vol 2)
C6H8O6 ASCORBIC ACID.....148(Vol 2)
C6H8O7 CITRIC ACID.....149(Vol 2)
C6H10 CYCLOHEXENE.....150(Vol 2)
C6H10 2,3-DIMETHYL-1,3-BUTADIENE.....151(Vol 2)
C6H10 1,5-HEXADIENE.....152(Vol 2)
C6H10 cis,trans-2,4-HEXADIENE.....153(Vol 2)
C6H10 trans,trans-2,4-HEXADIENE.....154(Vol 2)
C6H10 1-HEXYNE.....155(Vol 2)
C6H10 2-HEXYNE.....156(Vol 2)
C6H10 3-HEXYNE.....157(Vol 2)
C6H10O CYCLOHEXANONE.....158(Vol 2)
C6H10O MESITYL OXIDE.....159(Vol 2)
C6H10O2 epsilon-CAPROLACTONE.....160(Vol 2)
C6H10O2 ETHYL METHACRYLATE.....161(Vol 2)
C6H10O2 n-PROPYL ACRYLATE.....162(Vol 2)
C6H10O3 ETHYLACETOACETATE.....163(Vol 2)
C6H10O3 PROPIONIC ANHYDRIDE.....164(Vol 2)
C6H10O4 ADIPIC ACID.....165(Vol 2)
C6H10O4 DIETHYL OXALATE.....166(Vol 2)
C6H10O4 ETHYLENE GLYCOL DIACETATE.....167(Vol 2)
C6H10O4 ETHYLIDENE DIACETATE.....168(Vol 2)
C6H11N HEXANENITRILE.....169(Vol 2)
C6H11NO epsilon-CAPROLACTAM.....170(Vol 2)
C6H11NO CYCLOHEXANONE OXIME.....171(Vol 2)
C6H12 CYCLOHEXANE.....172(Vol 2)
C6H12 2,3-DIMETHYL-1-BUTENE.....173(Vol 2)
C6H12 2,3-DIMETHYL-2-BUTENE.....174(Vol 2)
C6H12 3,3-DIMETHYL-1-BUTENE.....175(Vol 2)
C6H12 2-ETHYL-1-BUTENE.....176(Vol 2)
C6H12 1-HEXENE.....177(Vol 2)
C6H12 cis-2-HEXENE.....178(Vol 2)
C6H12 trans-2-HEXENE.....179(Vol 2)
C6H12 cis-3-HEXENE.....180(Vol 2)
C6H12 trans-3-HEXENE.....181(Vol 2)
C6H12 METHYLCYCLOPENTANE.....182(Vol 2)
C6H12 2-METHYL-1-PENTENE.....183(Vol 2)
C6H12 2-METHYL-2-PENTENE.....184(Vol 2)
C6H12 3-METHYL-1-PENTENE.....185(Vol 2)
C6H12 3-METHYL-cis-2-PENTENE.....186(Vol 2)
C6H12 4-METHYL-1-PENTENE.....187(Vol 2)
C6H12 4-METHYL-cis-2-PENTENE.....188(Vol 2)
C6H12 4-METHYL-trans-2-PENTENE.....189(Vol 2)
C6H12N2 TRIETHYLENEDIAMINE.....190(Vol 2)
C6H12O BUTYL VINYL ETHER.....191(Vol 2)
C6H12O CYCLOHEXANOL.....192(Vol 2)
C6H12O 1-HEXANAL.....193(Vol 2)
C6H12O ETHYL ISOPROPYL KETONE.....194(Vol 2)
C6H12O 2-HEXANONE.....195(Vol 2)
C6H12O 3-HEXANONE.....196(Vol 2)
C6H12O METHYL ISOBUTYL KETONE.....197(Vol 2)
C6H12O2 n-PENTYL FORMATE.....198(Vol 2)
C6H12O2 n-BUTYL ACETATE.....199(Vol 2)
C6H12O2 sec-BUTYL ACETATE.....200(Vol 2)
C6H12O2 tert-BUTYL ACETATE.....201(Vol 2)
C6H12O2 ETHYL n-BUTYRATE.....202(Vol 2)
C6H12O2 ETHYL ISOBUTYRATE.....203(Vol 2)
C6H12O2 ISOBUTYL ACETATE.....204(Vol 2)
C6H12O2 n-PROPYL PROPIONATE.....205(Vol 2)
C6H12O2 CYCLOHEXYL PEROXIDE.....206(Vol 2)
C6H12O2 DIACETONE ALCOHOL.....207(Vol 2)
C6H12O2 2-ETHYL BUTYRIC ACID.....208(Vol 2)
C6H12O2 n-HEXANOIC ACID.....209(Vol 2)
C6H12O3 2-ETHOXYETHYL ACETATE.....210(Vol 2)
C6H12O3 HYDROXYCAPROIC ACID.....211(Vol 2)
C6H12O3 PARALDEHYDE.....212(Vol 2)
C6H12O3 sec-BUTYL GLYCOLATE.....213(Vol 2)
C6H13N CYCLOHEXYLAMINE.....214(Vol 2)
C6H13N HEXAMETHYLENEIMINE.....215(Vol 2)
C6H14 2,2-DIMETHYLBUTANE.....216(Vol 2)
C6H14 2,3-DIMETHYLBUTANE.....217(Vol 2)
C6H14 n-HEXANE.....218(Vol 2)
C6H14 2-METHYLPENTANE.....219(Vol 2)
C6H14 3-METHYLPENTANE.....220(Vol 2)
C6H14N2O2 LYSINE.....221(Vol 2)
C6H14O 2-ETHYL-1-BUTANOL.....222(Vol 2)
C6H14O 1-HEXANOL.....223(Vol 2)
C6H14O 2-HEXANOL.....224(Vol 2)
C6H14O 2-METHYL-1-PENTANOL.....225(Vol 2)
C6H14O 4-METHYL-2-PENTANOL.....226(Vol 2)
C6H14O n-BUTYL ETHYL ETHER.....227(Vol 2)
C6H14O DIISOPROPYL ETHER.....228(Vol 2)
C6H14O DI-n-PROPYL ETHER.....229(Vol 2)
C6H14O METHYL tert-PENTYL ETHER.....230(Vol 2)
C6H14O2 ACETAL.....231(Vol 2)
C6H14O2 2-BUTOXYETHANOL.....232(Vol 2)
C6H14O2 1,6-HEXANEDIOL.....233(Vol 2)
C6H14O2 HEXYLENE GLYCOL.....234(Vol 2)
C6H14O2S DI-n-PROPYL SULFONE.....235(Vol 2)
C6H14O3 DIETHYLENE GLYCOL DIMETHYL ETHER....236(Vol 2)
C6H14O3 DIPROPYLENE GLYCOL.....237(Vol 2)
C6H14O3 2-(2-ETHOXYETHOXY)ETHANOL.....238(Vol 2)
C6H14O3 TRIMETHYLOLPROPANE.....239(Vol 2)

C6H14O4 TRIETHYLENE GLYCOL.....240(Vol 2)
C6H14O6 SORBITOL.....241(Vol 2)
C6H14S n-HEXYLMERCAPTAN.....242(Vol 2)
C6H15Al TRIETHYL ALUMINUM.....243(Vol 2)
C6H15Al2Cl3 ETHYL ALUMINUM SESQUICHLORIDE...244(Vol 2)
C6H15N DIISOPROPYLAMINE.....245(Vol 2)
C6H15N DI-n-PROPYLAMINE.....246(Vol 2)
C6H15N n-HEXYLAMINE.....247(Vol 2)
C6H15N TRIETHYLAMINE.....248(Vol 2)
C6H15NO 6-AMINOHEXANOL.....249(Vol 2)
C6H15NO2 DIISOPROPANOLAMINE.....250(Vol 2)
C6H15NO3 TRIETHANOLAMINE.....251(Vol 2)
C6H15N3 N-AMINOETHYL PIPERAZINE.....252(Vol 2)
C6H15O4P TRIETHYL PHOSPHATE.....253(Vol 2)
C6H16N2 HEXAMETHYLENEDIAMINE.....254(Vol 2)
C6H18N3OP HEXAMETHYL PHOSPHORAMIDE.....255(Vol 2)
C6H18N4 TRIETHYLENE TETRAMINE.....256(Vol 2)
C6H18OSi2 HEXAMETHYLDISILOXANE.....257(Vol 2)
C6H18O3Si3 HEXAMETHYLCYCLOTRISILOXANE.....258(Vol 2)
C6H19NSi2 HEXAMETHYLDISILAZANE.....259(Vol 2)
C7H3ClF3NO2 4-CHLORO-3-NITROBENZOTRIFLUORIDE260(Vol 2)
C7H3Cl2F3 2,4-DICHLOROBENZOTRIFLUORIDE.....261(Vol 2)
C7H3Cl2NO 3,4-DICHLOROPHENYL ISOCYANATE.....262(Vol 2)
C7H4ClF3 p-CHLOROBENZOTRIFLUORIDE.....263(Vol 2)
C7H4Cl2O m-CHLOROBENZOYL CHLORIDE.....264(Vol 2)
C7H4F3NO2 3-NITROBENZOTRIFLUORIDE.....265(Vol 2)
C7H5ClO BENZOYL CHLORIDE.....266(Vol 2)
C7H5ClO2 o-CHLOROBENZOIC ACID.....267(Vol 2)
C7H5Cl3 BENZOTRICHLORIDE.....268(Vol 2)
C7H5F3 BENZOTRIFLUORIDE.....269(Vol 2)
C7H5N BENZONITRILE.....270(Vol 2)
C7H5NO PHENYL ISOCYANATE.....271(Vol 2)
C7H5N3O6 2,4,6-TRINITROTOLUENE.....272(Vol 2)
C7H6Cl2 BENZYL DICHLORIDE.....273(Vol 2)
C7H6Cl2 2,4-DICHLOROTOLUENE.....274(Vol 2)
C7H6N2O4 2,4-DINITROTOLUENE.....275(Vol 2)
C7H6N2O4 2,5-DINITROTOLUENE.....276(Vol 2)
C7H6N2O4 2,6-DINITROTOLUENE.....277(Vol 2)
C7H6N2O4 3,4-DINITROTOLUENE.....278(Vol 2)
C7H6N2O4 3,5-DINITROTOLUENE.....279(Vol 2)
C7H6O BENZALDEHYDE.....280(Vol 2)
C7H6O2 BENZOIC ACID.....281(Vol 2)
C7H6O2 p-HYDROXYBENZALDEHYDE.....282(Vol 2)
C7H6O2 SALICYLALDEHYDE.....283(Vol 2)
C7H6O3 SALICYLIC ACID.....284(Vol 2)
C7H7Br p-BROMOTOLUENE.....285(Vol 2)
C7H7Cl BENZYL CHLORIDE.....286(Vol 2)
C7H7Cl o-CHLOROTOLUENE.....287(Vol 2)
C7H7Cl p-CHLOROTOLUENE.....288(Vol 2)
C7H7NO FORMANILIDE.....289(Vol 2)
C7H7NO2 m-NITROTOLUENE.....290(Vol 2)
C7H7NO2 o-NITROTOLUENE.....291(Vol 2)
C7H7NO2 p-NITROTOLUENE.....292(Vol 2)
C7H7NO3 o-NITROANISOLE.....293(Vol 2)
C7H8 TOLUENE.....294(Vol 2)
C7H8O ANISOLE.....295(Vol 2)
C7H8O BENZYL ALCOHOL.....296(Vol 2)
C7H8O m-CRESOL.....297(Vol 2)
C7H8O o-CRESOL.....298(Vol 2)
C7H8O p-CRESOL.....299(Vol 2)
C7H8O2 GUAIACOL.....300(Vol 2)
C7H8O2 p-METHOXYPHENOL.....301(Vol 2)
C7H9N BENZYLAMINE.....302(Vol 2)
C7H9N 2,6-DIMETHYLPYRIDINE.....303(Vol 2)
C7H9N N-METHYLANILINE.....304(Vol 2)
C7H9N m-TOLUIDINE.....305(Vol 2)
C7H9N o-TOLUIDINE.....306(Vol 2)
C7H9N p-TOLUIDINE.....307(Vol 2)
C7H10 2-NORBORNENE.....308(Vol 2)
C7H10N2 TOLUENEDIAMINE.....309(Vol 2)
C7H11NO CYCLOHEXYL ISOCYANATE.....310(Vol 2)
C7H12O2 n-BUTYL ACRYLATE.....311(Vol 2)
C7H12O2 ISOBUTYL ACRYLATE.....312(Vol 2)
C7H12O2 n-PROPYL METHACRYLATE.....313(Vol 2)
C7H12O4 DIETHYL MALONATE.....314(Vol 2)
C7H14 CYCLOHEPTANE.....315(Vol 2)
C7H14 1,1-DIMETHYLCYCLOPENTANE.....316(Vol 2)
C7H14 cis-1,2-DIMETHYLCYCLOPENTANE.....317(Vol 2)
C7H14 trans-1,2-DIMETHYLCYCLOPENTANE.....318(Vol 2)
C7H14 cis-1,3-DIMETHYLCYCLOPENTANE.....319(Vol 2)
C7H14 trans-1,3-DIMETHYLCYCLOPENTANE.....320(Vol 2)
C7H14 ETHYLCYCLOPENTANE.....321(Vol 2)
C7H14 2-ETHYL-1-PENTENE.....322(Vol 2)
C7H14 3-ETHYL-1-PENTENE.....323(Vol 2)
C7H14 1-HEPTENE.....324(Vol 2)
C7H14 cis-2-HEPTENE.....325(Vol 2)
C7H14 trans-2-HEPTENE.....326(Vol 2)
C7H14 cis-3-HEPTENE.....327(Vol 2)
C7H14 trans-3-HEPTENE.....328(Vol 2)
C7H14 METHYLCYCLOHEXANE.....329(Vol 2)
C7H14 2-METHYL-1-HEXENE.....330(Vol 2)
C7H14 3-METHYL-1-HEXENE.....331(Vol 2)
C7H14 4-METHYL-1-HEXENE.....332(Vol 2)
C7H14 2,3,3-TRIMETHYL-1-BUTENE.....333(Vol 2)
C7H14O DIISOPROPYL KETONE.....334(Vol 2)
C7H14O 2-HEPTANONE.....335(Vol 2)
C7H14O 1-HEPTANAL.....336(Vol 2)
C7H14O 1-METHYLCYCLOHEXANOL.....337(Vol 2)
C7H14O cis-2-METHYLCYCLOHEXANOL.....338(Vol 2)
C7H14O trans-2-METHYLCYCLOHEXANOL.....339(Vol 2)
C7H14O cis-3-METHYLCYCLOHEXANOL.....340(Vol 2)
C7H14O trans-3-METHYLCYCLOHEXANOL.....341(Vol 2)
C7H14O cis-4-METHYLCYCLOHEXANOL.....342(Vol 2)
C7H14O trans-4-METHYLCYCLOHEXANOL.....343(Vol 2)
C7H14O 5-METHYL-2-HEXANONE.....344(Vol 2)
C7H14O2 n-BUTYL PROPIONATE.....345(Vol 2)
C7H14O2 ETHYL ISOVALERATE.....346(Vol 2)
C7H14O2 ISOPENTYL ACETATE.....347(Vol 2)
C7H14O2 n-PENTYL ACETATE.....348(Vol 2)
C7H14O2 n-PROPYL n-BUTYRATE.....349(Vol 2)
C7H14O2 n-HEPTANOIC ACID.....350(Vol 2)
C7H14O3 ETHYL-3-ETHOXYPROPIONATE.....351(Vol 2)
C7H15Br 1-BROMOHEPTANE.....352(Vol 2)
C7H15N N-METHYLCYCLOHEXYLAMINE.....353(Vol 2)
C7H16 2,2-DIMETHYLPENTANE.....354(Vol 2)
C7H16 2,3-DIMETHYLPENTANE.....355(Vol 2)
C7H16 2,4-DIMETHYLPENTANE.....356(Vol 2)
C7H16 3,3-DIMETHYLPENTANE.....357(Vol 2)
C7H16 3-ETHYLPENTANE.....358(Vol 2)
C7H16 n-HEPTANE.....359(Vol 2)
C7H16 2-METHYLHEXANE.....360(Vol 2)
C7H16 3-METHYLHEXANE.....361(Vol 2)
C7H16 2,2,3-TRIMETHYLBUTANE.....362(Vol 2)
C7H16O 1-HEPTANOL.....363(Vol 2)
C7H16O 2-HEPTANOL.....364(Vol 2)
C7H16O 5-METHYL-1-HEXANOL.....365(Vol 2)
C7H16S n-HEPTYL MERCAPTAN.....366(Vol 2)
C7H17N 1-AMINOHEPTANE.....367(Vol 2)
C8H4Cl2O2 ISOPHTHALOYL CHLORIDE.....1(Vol 3)
C8H4O3 PHTHALIC ANHYDRIDE.....2(Vol 3)
C8H6O4 ISOPHTHALIC ACID.....3(Vol 3)
C8H6O4 PHTHALIC ACID.....4(Vol 3)
C8H6O4 TEREPHTHALIC ACID.....5(Vol 3)
C8H6S BENZOTHIOPHENE.....6(Vol 3)
C8H7N INDOLE.....7(Vol 3)
C8H8 STYRENE.....8(Vol 3)
C8H8O ACETOPHENONE.....9(Vol 3)
C8H8O p-TOLUALDEHYDE.....10(Vol 3)
C8H8O2 METHYL BENZOATE.....11(Vol 3)
C8H8O2 o-TOLUIC ACID.....12(Vol 3)
C8H8O2 p-TOLUIC ACID.....13(Vol 3)
C8H8O3 METHYL SALICYLATE.....14(Vol 3)
C8H8O3 VANILLIN.....15(Vol 3)
C8H9NO ACETANILIDE.....16(Vol 3)

C8H10 ETHYLBENZENE.....17(Vol 3)
C8H10 m-XYLENE.....18(Vol 3)
C8H10 o-XYLENE.....19(Vol 3)
C8H10 p-XYLENE.....20(Vol 3)
C8H10O m-ETHYLPHENOL.....21(Vol 3)
C8H10O p-ETHYLPHENOL.....22(Vol 3)
C8H10O PHENETOLE.....23(Vol 3)
C8H10O 2-PHENYLETHANOL.....24(Vol 3)
C8H10O 2,3-XYLENOL.....25(Vol 3)
C8H10O 2,4-XYLENOL.....26(Vol 3)
C8H10O 2,5-XYLENOL.....27(Vol 3)
C8H10O 2,6-XYLENOL.....28(Vol 3)
C8H10O 3,4-XYLENOL.....29(Vol 3)
C8H10O 3,5-XYLENOL.....30(Vol 3)
C8H11N N,N-DIMETHYLANILINE.....31(Vol 3)
C8H11N o-ETHYLANILINE.....32(Vol 3)
C8H11N 2,4,6-TRIMETHYLPYRIDINE.....33(Vol 3)
C8H11NO p-PHENETIDINE.....34(Vol 3)
C8H12 1,5-CYCLOOCTADIENE.....35(Vol 3)
C8H12 VINYLCYCLOHEXENE.....36(Vol 3)
C8H12O4 1,4-CYCLOHEXANEDICARBOXYLIC ACID.....37(Vol 3)
C8H12O4 DIETHYL MALEATE.....38(Vol 3)
C8H14O2 n-BUTYL METHACRYLATE.....39(Vol 3)
C8H14O3 BUTYRIC ANHYDRIDE.....40(Vol 3)
C8H14O4 DIETHYL SUCCINATE.....41(Vol 3)
C8H16 1,1-DIMETHYLCYCLOHEXANE.....42(Vol 3)
C8H16 cis-1,2-DIMETHYLCYCLOHEXANE.....43(Vol 3)
C8H16 trans-1,2-DIMETHYLCYCLOHEXANE.....44(Vol 3)
C8H16 cis-1,3-DIMETHYLCYCLOHEXANE.....45(Vol 3)
C8H16 trans-1,3-DIMETHYLCYCLOHEXANE.....46(Vol 3)
C8H16 cis-1,4-DIMETHYLCYCLOHEXANE.....47(Vol 3)
C8H16 trans-1,4-DIMETHYLCYCLOHEXANE.....48(Vol 3)
C8H16 ETHYLCYCLOHEXANE.....49(Vol 3)
C8H16 2-ETHYL-1-HEXENE.....50(Vol 3)
C8H16 1-METHYL-1-ETHYLCYCLOPENTANE.....51(Vol 3)
C8H16 1-OCTENE.....52(Vol 3)
C8H16 trans-2-OCTENE.....53(Vol 3)
C8H16 trans-3-OCTENE.....54(Vol 3)
C8H16 trans-4-OCTENE.....55(Vol 3)
C8H16 n-PROPYLCYCLOPENTANE.....56(Vol 3)
C8H16 2,4,4-TRIMETHYL-1-PENTENE.....57(Vol 3)
C8H16 2,4,4-TRIMETHYL-2-PENTENE.....58(Vol 3)
C8H16O 2-ETHYLHEXANAL.....59(Vol 3)
C8H16O 1-OCTANAL.....60(Vol 3)
C8H16O 2-OCTANONE.....61(Vol 3)
C8H16O2 n-BUTYL n-BUTYRATE.....62(Vol 3)
C8H16O2 n-HEXYL ACETATE.....63(Vol 3)
C8H16O2 ISOBUTYL ISOBUTYRATE.....64(Vol 3)
C8H16O2 n-OCTANOIC ACID.....65(Vol 3)
C8H16O4 DIETHYLENE GLYCOL ETHYL ETHER ACETATE66(Vol 3)
C8H18 2,2-DIMETHYLHEXANE.....67(Vol 3)
C8H18 2,3-DIMETHYLHEXANE.....68(Vol 3)
C8H18 2,4-DIMETHYLHEXANE.....69(Vol 3)
C8H18 2,5-DIMETHYLHEXANE.....70(Vol 3)
C8H18 3,3-DIMETHYLHEXANE.....71(Vol 3)
C8H18 3,4-DIMETHYLHEXANE.....72(Vol 3)
C8H18 3-ETHYLHEXANE.....73(Vol 3)
C8H18 3-METHYL-3-ETHYLPENTANE.....74(Vol 3)
C8H18 2-METHYLHEPTANE.....75(Vol 3)
C8H18 3-METHYLHEPTANE.....76(Vol 3)
C8H18 4-METHYLHEPTANE.....77(Vol 3)
C8H18 n-OCTANE.....78(Vol 3)
C8H18 2,2,3-TRIMETHYLPENTANE.....79(Vol 3)
C8H18 2,2,4-TRIMETHYLPENTANE.....80(Vol 3)
C8H18 2,3,3-TRIMETHYLPENTANE.....81(Vol 3)
C8H18 2,3,4-TRIMETHYLPENTANE.....82(Vol 3)
C8H18O DI-n-BUTYL ETHER.....83(Vol 3)
C8H18O DI-sec-BUTYL ETHER.....84(Vol 3)
C8H18O DI-tert-BUTYL ETHER.....85(Vol 3)
C8H18O 2-ETHYL-1-HEXANOL.....86(Vol 3)
C8H18O 1-OCTANOL.....87(Vol 3)
C8H18O 2-OCTANOL.....88(Vol 3)
C8H18O2 DI-t-BUTYL PEROXIDE.....89(Vol 3)
C8H18O2S DI-n-BUTYL SULFONE.....90(Vol 3)
C8H18O3 DIETHYLENE GLYCOL DIETHYL ETHER.....91(Vol 3)
C8H18O3 DIETHYLENE GLYCOL MONOBUTYL EHTER...92(Vol 3)
C8H18O4 TRIETHYLENE GLYCOL DIMETHYL ETHER...93(Vol 3)
C8H18O5 TETRAETHYLENE GLYCOL... .....94(Vol 3)
C8H18S n-OCTYL MERCAPTAN.....95(Vol 3)
C8H18S tert-OCTYL MERCAPTAN.....96(Vol 3)
C8H19N DI-n-BUTYLAMINE.....97(Vol 3)
C8H19N DIISOBUTYLAMINE.....98(Vol 3)
C8H19N n-OCTYLAMINE.....99(Vol 3)
C8H23N5 TETRAETHYLENEPENTAMINE.....100(Vol 3)
C8H24O4Si4 OCTAMETHYLCYCLOTETRASILOXANE.....101(Vol 3)
C9H4O5 TRIMELLITIC ANHYDRIDE.....102(Vol 3)
C9H6N2O2 TOLUENE DIISOCYANATE.....103(Vol 3)
C9H7N ISOQUINOLINE.....104(Vol 3)
C9H7N QUINOLINE.....105(Vol 3)
C9H7NO 8-HYDROXYQUINOLINE.....106(Vol 3)
C9H8 INDENE.....107(Vol 3)
C9H8O 2-METHYLBENZOFURAN.....108(Vol 3)
C9H10 INDANE.....109(Vol 3)
C9H10 alpha-METHYLSTYRENE.....110(Vol 3)
C9H10 m-METHYLSTYRENE.....111(Vol 3)
C9H10 o-METHYLSTYRENE.....112(Vol 3)
C9H10 p-METHYLSTYRENE.....113(Vol 3)
C9H10O2 BENZYL ACETATE.....114(Vol 3)
C9H10O2 ETHYL BENZOATE.....115(Vol 3)
C9H10O3 ETHYL VANILLIN.....116(Vol 3)
C9H11NO p-DIMETHYLAMINOBENZALDEHYDE.....117(Vol 3)
C9H12 CUMENE.....118(Vol 3)
C9H12 m-ETHYLTOLUENE.....119(Vol 3)
C9H12 o-ETHYLTOLUENE.....120(Vol 3)
C9H12 p-ETHYLTOLUENE.....121(Vol 3)
C9H12 MESITYLENE.....122(Vol 3)
C9H12 n-PROPYLBENZENE.....123(Vol 3)
C9H12 1,2,3-TRIMETHYLBENZENE.....124(Vol 3)
C9H12 1,2,4-TRIMETHYLBENZENE.....125(Vol 3)
C9H12O BENZYL ETHYL ETHER.....126(Vol 3)
C9H12O 2-PHENYL-2-PROPANOL.....127(Vol 3)
C9H12O2 CUMENE HYDROPEROXIDE.....128(Vol 3)
C9H14O ISOPHORONE..... .....129(Vol 3)
C9H14O6 GLYCERYL TRIACETATE.....130(Vol 3)
C9H16O4 AZELAIC ACID.....131(Vol 3)
C9H18 ISOPROPYLCYCLOHEXANE.....132(Vol 3)
C9H18 1-NONENE.....133(Vol 3)
C9H18 n-PROPYLCYCLOHEXANE.....134(Vol 3)
C9H18O DIISOBUTYL KETONE.....135(Vol 3)
C9H18O 1-NONANAL.....136(Vol 3)
C9H18O2 n-BUTYL VALERATE.....137(Vol 3)
C9H18O2 n-NONANOIC ACID.....138(Vol 3)
C9H18O2 n-OCTYL FORMATE.....139(Vol 3)
C9H20 3,3-DIETHYLPENTANE.....140(Vol 3)
C9H20 2,2-DIMETHYL-3-ETHYLPENTANE.....141(Vol 3)
C9H20 2,4-DIMETHYL-3-ETHYLPENTANE.....142(Vol 3)
C9H20 2,2-DIMETHYLHEPTANE.....143(Vol 3)
C9H20 2,6-DIMETHYLHEPTANE.....144(Vol 3)
C9H20 3-ETHYLHEPTANE.....145(Vol 3)
C9H20 2-METHYLOCTANE.....146(Vol 3)
C9H20 3-METHYLOCTANE.....147(Vol 3)
C9H20 4-METHYLOCTANE.....148(Vol 3)
C9H20 n-NONANE.....149(Vol 3)
C9H20 2,2,3,3-TETRAMETHYLPENTANE.....150(Vol 3)
C9H20 2,2,3,4-TETRAMETHYLPENTANE.....151(Vol 3)
C9H20 2,2,4,4-TETRAMETHYLPENTANE.....152(Vol 3)
C9H20 2,2,5-TRIMETHYLHEXANE.....153(Vol 3)
C9H20O 2,6-DIMETHYL-4-HEPTANOL.....154(Vol 3)
C9H20O 1-NONANOL.....155(Vol 3)
C9H20O 2-NONANOL.....156(Vol 3)
C9H20S n-NONYL MERCAPTAN.....157(Vol 3)
C9H21N n-NONYLAMINE.....158(Vol 3)
C9H21N TRIPROPYLAMINE.....159(Vol 3)
C10H6O8 PYROMELLITIC ACID.....160(Vol 3)

C10H7Br 1-BROMONAPHTHALENE.....161(Vol 3)
C10H7Cl 1-CHLORONAPHTHALENE.....162(Vol 3)
C10H8 NAPHTHALENE.....163(Vol 3)
C10H9N QUINALDINE.....164(Vol 3)
C10H10 m-DIVINYLBENZENE.....165(Vol 3)
C10H10 1-METHYLINDENE.....166(Vol 3)
C10H10 2-METHYLINDENE.....167(Vol 3)
C10H1004 DIMETHYL PHTHALATE.....168(Vol 3)
C10H1004 DIMETHYL TEREPHTHALATE.....169(Vol 3)
C10H12 DICYCLOPENTADIENE.....170(Vol 3)
C10H12 1,2,3,4-TETRAHYDRONAPHTHALENE.....171(Vol 3)
C10H12O ANETHOLE.....172(Vol 3)
C10H12O4 DIALLYL MALEATE.....173(Vol 3)
C10H14 n-BUTYLBENZENE.....174(Vol 3)
C10H14 sec-BUTYLBENZENE.....175(Vol 3)
C10H14 tert-BUTYLBENZENE.....176(Vol 3)
C10H14 m-CYMENE.....177(Vol 3)
C10H14 o-CYMENE.....178(Vol 3)
C10H14 p-CYMENE.....179(Vol 3)
C10H14 m-DIETHYLBENZENE.....180(Vol 3)
C10H14 o-DIETHYLBENZENE.....181(Vol 3)
C10H14 p-DIETHYLBENZENE.....182(Vol 3)
C10H14 2-ETHYL-m-XYLENE.....183(Vol 3)
C10H14 2-ETHYL-p-XYLENE.....184(Vol 3)
C10H14 3-ETHYL-o-XYLENE.....185(Vol 3)
C10H14 4-ETHYL-m-XYLENE.....186(Vol 3)
C10H14 4-ETHYL-o-XYLENE.....187(Vol 3)
C10H14 5-ETHYL-m-XYLENE.....188(Vol 3)
C10H14 ISOBUTYLBENZENE.....189(Vol 3)
C10H14 1,2,3,5-TETRAMETHYLBENZENE.....190(Vol 3)
C10H14 1,2,4,5-TETRAMETHYLBENZENE.....191(Vol 3)
C10H14O p-tert-BUTYLPHENOL.....192(Vol 3)
C10H14O2 p-tert-BUTYLCATECHOL.....193(Vol 3)
C10H15N N,N-DIETHYLANILINE.....194(Vol 3)
C10H15N 2,6-DIETHYLANILINE.....195(Vol 3)
C10H16 CAMPHENE.....196(Vol 3)
C10H16 D-LIMONENE.....197(Vol 3)
C10H16 alpha-PHELLANDRENE.....198(Vol 3)
C10H16 beta-PHELLANDRENE.....199(Vol 3)
C10H16 alpha-PINENE.....200(Vol 3)
C10H16 beta-PINENE.....201(Vol 3)
C10H16 alpha-TERPINENE.....202(Vol 3)
C10H16 gamma-TERPINENE.....203(Vol 3)
C10H16 TERPINOLENE.....204(Vol 3)
C10H16O CAMPHOR.....205(Vol 3)
C10H18 cis-DECAHYDRONAPHTHALENE.....206(Vol 3)
C10H18 trans-DECAHYDRONAPHTHALENE.....207(Vol 3)
C10H18O4 SEBACIC ACID.....208(Vol 3)
C10H20 n-BUTYLCYCLOHEXANE.....209(Vol 3)
C10H20 1-DECENE.....210(Vol 3)
C10H20O 1-DECANAL.....211(Vol 3)
C10H20O2 n-DECANOIC ACID.....212(Vol 3)
C10H20O2 2-ETHYLHEXYL ACETATE.....213(Vol 3)
C10H20O2 ISOPENTYL ISOVALERATE.....214(Vol 3)
C10H22 n-DECANE.....215(Vol 3)
C10H22 2,2-DIMETHYLOCTANE.....216(Vol 3)
C10H22 2-METHYLNONANE.....217(Vol 3)
C10H22 3-METHYLNONANE.....218(Vol 3)
C10H22 4-METHYLNONANE.....219(Vol 3)
C10H22 5-METHYLNONANE.....220(Vol 3)
C10H22O 1-DECANOL.....221(Vol 3)
C10H22O DI-n-PENTYL ETHER.....222(Vol 3)
C10H22O ISODECANOL.....223(Vol 3)
C10H22O5 TETRAETHYLENE GLYCOL DIMETHYL ETHER224(Vol 3)
C10H22S n-DECYL MERCAPTAN.....225(Vol 3)
C10H23N n-DECYLAMINE.....226(Vol 3)
C11H10 1-METHYLNAPHTHALENE.....227(Vol 3)
C11H10 2-METHYLNAPHTHALENE.....228(Vol 3)
C11H14O2 n-BUTYL BENZOATE.....229(Vol 3)
C11H16 n-PENTYLBENZENE.....230(Vol 3)
C11H16O p-tert-AMYLPHENOL.....231(Vol 3)
C11H20O2 2-ETHYLHEXYL ACRYLATE.....232(Vol 3)
C11H22 1-UNDECENE.....233(Vol 3)
C11H22O 1-UNDECANAL.....234(Vol 3)
C11H24 n-UNDECANE.....235(Vol 3)
C11H24O 1-UNDECANOL.....236(Vol 3)
C11H24S UNDECYL MERCAPTAN.....237(Vol 3)
C12H8O DIBENZOFURAN.....238(Vol 3)
C12H9N DIBENZOPYRROLE.....239(Vol 3)
C12H10 ACENAPHTHENE.....240(Vol 3)
C12H10 BIPHENYL.....241(Vol 3)
C12H10O DIPHENYL ETHER.....242(Vol 3)
C12H11N p-AMINODIPHENYL.....243(Vol 3)
C12H11N DIPHENYLAMINE.....244(Vol 3)
C12H11N3 p-AMINOAZOBENZENE.....245(Vol 3)
C12H11N3 1,3-DIPHENYLTRIAZENE.....246(Vol 3)
C12H12 2,6-DIMETHYLNAPHTHALENE.....247(Vol 3)
C12H12 2,7-DIMETHYLNAPHTHALENE.....248(Vol 3)
C12H12 1-ETHYLNAPHTHALENE.....249(Vol 3)
C12H12N2 p-AMINODIPHENYLAMINE.....250(Vol 3)
C12H12N2 HYDRAZOBENZENE.....251(Vol 3)
C12H14 1,2,3-TRIMETHYLINDENE.....252(Vol 3)
C12H14O4 DIETHYL PHTHALATE.....253(Vol 3)
C12H16 CYCLOHEXYLBENZENE.....254(Vol 3)
C12H18 m-DIISOPROPYLBENZENE.....255(Vol 3)
C12H18 p-DIISOPROPYLBENZENE.....256(Vol 3)
C12H18 n-HEXYLBENZENE.....257(Vol 3)
C12H20O4 DIBUTYL MALEATE.....258(Vol 3)
C12H22 BICYCLOHEXYL.....259(Vol 3)
C12H23N DICYCLOHEXYLAMINE.....260(Vol 3)
C12H24 1-DODECENE.....261(Vol 3)
C12H24O 1-DODECANAL.....262(Vol 3)
C12H24O2 n-DODECANOIC ACID.....263(Vol 3)
C12H26 n-DODECANE.....264(Vol 3)
C12H26O DI-n-HEXYL ETHER.....265(Vol 3)
C12H26O 1-DODECANOL.....266(Vol 3)
C12H26O3 DIETHYLENE GLYCOL DI-n-BUTYL ETHER.267(Vol 3)
C12H26S n-DODECYL MERCAPTAN.....268(Vol 3)
C12H27BO3 TRI-n-BUTYL BORATE .....269(Vol 3)
C12H27N DODECYLAMINE.....270(Vol 3)
C12H27N TRI-n-BUTYLAMINE.....271(Vol 3)
C13H10 FLUORENE.....272(Vol 3)
C13H10O BENZOPHENONE.....273(Vol 3)
C13H12 DIPHENYLMETHANE.....274(Vol 3)
C13H20 n-HEPTYLBENZENE.....275(Vol 3)
C13H26 1-TRIDECENE.....276(Vol 3)
C13H26O 1-TRIDECANAL.....277(Vol 3)
C13H26O2 n-BUTYL NONANOATE.....278(Vol 3)
C13H26O2 METHYL DODECANOATE.....279(Vol 3)
C13H28 n-TRIDECANE.....280(Vol 3)
C13H28O 1-TRIDECANOL.....281(Vol 3)
C14H8O2 ANTHRAQUINONE.....282(Vol 3)
C14H10 ANTHRACENE.....283(Vol 3)
C14H10 DIPHENYLACETYLENE.....284(Vol 3)
C14H10 PHENANTHRENE.....285(Vol 3)
C14H12 cis-STILBENE.....286(Vol 3)
C14H12 trans-STILBENE.....287(Vol 3)
C14H12O2 BENZYL BENZOATE.....288(Vol 3)
C14H14 1,1-DIPHENYLETHANE.....289(Vol 3)
C14H14 1,2-DIPHENYLETHANE.....290(Vol 3)
C14H14O DIBENZYL ETHER.....291(Vol 3)
C14H16 1-n-BUTYLNAPHTHALENE.....292(Vol 3)
C14H22 n-OCTYLBENZENE.....293(Vol 3)
C14H22O p-tert-OCTYLPHENOL.....294(Vol 3)
C14H28 1-TETRADECENE.....295(Vol 3)
C14H28O2 n-TETRADECANOIC ACID.....296(Vol 3)
C14H30 n-TETRADECANE.....297(Vol 3)
C14H30O 1-TETRADECANOL.....298(Vol 3)
C14H31N TETRADECYLAMINE.....299(Vol 3)
C15H10N2O2 DIPHENYLMETHANE-4,4'-DIISOCYANATE300(Vol 3)
C15H16O p-CUMYLPHENOL.....301(Vol 3)
C15H16O2 BISPHENOL A.....302(Vol 3)
C15H24 n-NONYLBENZENE.....303(Vol 3)
C15H24O 2,6-DI-tert-BUTYL-p-CRESOL.....304(Vol 3)

C15H24O NONYLPHENOL.....305(Vol 3)
C15H30 1-PENTADECENE.....306(Vol 3)
C15H30O2 PENTADECANOIC ACID.....307(Vol 3)
C15H32 n-PENTADECANE.....308(Vol 3)
C16H10 FLUORANTHENE.....309(Vol 3)
C16H10 PYRENE.....310(Vol 3)
C16H12 1-PHENYLNAPHTHALENE.....311(Vol 3)
C16H20 1-n-HEXYLNAPHTHALENE.....312(Vol 3)
C16H22O4 DIBUTYL PHTHALATE.....313(Vol 3)
C16H26 n-DECYLBENZENE.....314(Vol 3)
C16H32 n-DECYLCYCLOHEXANE.....315(Vol 3)
C16H32 1-HEXADECENE.....316(Vol 3)
C16H32O2 n-HEXADECANOIC ACID.....317(Vol 3)
C16H34 n-HEXADECANE.....318(Vol 3)
C16H34O DI-n-OCTYL ETHER.....319(Vol 3)
C16H34O 1-HEXADECANOL.....320(Vol 3)
C17H28 n-UNDECYLBENZENE.....321(Vol 3)
C17H34 1-HEPTADECENE.....322(Vol 3)
C17H36 n-HEPTADECANE.....323(Vol 3)
C17H36O 1-HEPTADECANOL.....324(Vol 3)
C18H12 CHRYSENE.....325(Vol 3)
C18H14 m-TERPHENYL.....326(Vol 3)
C18H14 o-TERPHENYL.....327(Vol 3)
C18H14 p-TERPHENYL.....328(Vol 3)
C18H15P TRIPHENYLPHOSPHINE.....329(Vol 3)
C18H15O4P TRIPHENYL PHOSPHATE.....330(Vol 3)
C18H16N2 N,N'-DIPHENYL-p-PHENYLENEDIAMINE...331(Vol 3)
C18H22 2,3-DIMETHYL-2,3-DIPHENYLBUTANE.....332(Vol 3)
C18H22O2 DICUMYL PEROXIDE.....333(Vol 3)
C18H30 n-DODECYLBENZENE.....334(Vol 3)
C18H32O2 LINOLEIC ACID.....335(Vol 3)
C18H34O2 OLEIC ACID.....336(Vol 3)
C18H34O4 DIBUTYL SEBACATE.....337(Vol 3)
C18H34O4 DIHEXYL ADIPATE.....338(Vol 3)
C18H36 1-OCTADECENE.....339(Vol 3)
C18H36O2 STEARIC ACID.....340(Vol 3)
C18H38 n-OCTADECANE.....341(Vol 3)
C18H38O DINONYL ETHER.....342(Vol 3)
C18H38O 1-OCTADECANOL.....343(Vol 3)
C19H26 1-n-NONYLNAPHTHALENE.....344(Vol 3)
C19H32 n-TRIDECYLBENZENE.....345(Vol 3)
C19H36O2 METHYL OLEATE.....346(Vol 3)
C19H38 1-NONADECENE.....347(Vol 3)
C19H38O2 NONADECANOIC ACID.....348(Vol 3)
C19H40 n-NONADECANE.....349(Vol 3)
C20H16 TRIPHENYLETHYLENE.....350(Vol 3)
C20H28 1-n-DECYLNAPHTHALENE.....351(Vol 3)
C20H30O2 ABIETIC ACID.....352(Vol 3)
C20H31N DEHYDROABIETYLAMINE.....353(Vol 3)
C20H40 1-EICOSENE.....354(Vol 3)
C20H42 n-EICOSANE.....355(Vol 3)
C20H42O 1-EICOSANOL.....356(Vol 3)
C21H21O4P TRI-o-CRESYL PHOSPHATE.....357(Vol 3)
C22H44O2 n-BUTYL STEARATE.....358(Vol 3)
C24H38O4 DIISOOCTYL PHTHALATE.....359(Vol 3)
C24H38O4 DIOCTYL PHTHALATE.....360(Vol 3)
C24H42O DINONYLPHENOL.....361(Vol 3)
C26H20 TETRAPHENYLETHYLENE.....362(Vol 3)
C28H46O4 DIISODECYL PHTHALATE.....363(Vol 3)

Appendix E

COMPOUND LIST BY NAME

ABIETIC ACID.....352(Vol 3)
ACENAPHTHENE.....240(Vol 3)
ACETAL.....231(Vol 2)
ACETALDEHYDE.....102(Vol 1)
ACETAMIDE.....112(Vol 1)
ACETANILIDE.....16(Vol 3)
ACETIC ACID.....104(Vol 1)
ACETIC ANHYDRIDE.....249(Vol 1)
ACETONE.....164(Vol 1)
ACETONE CYANOHYDRIN.....256(Vol 1)
ACETONITRILE.....92(Vol 1)
ACETOPHENONE.....9(Vol 3)
ACETYL CHLORIDE.....84(Vol 1)
ACETYLACETONE.....28(Vol 2)
ACETYLENE.....66(Vol 1)
ACROLEIN.....141(Vol 1)
ACRYLAMIDE.....155(Vol 1)
ACRYLIC ACID.....143(Vol 1)
ACRYLONITRILE.....136(Vol 1)
ADIPIC ACID.....165(Vol 2)
ADIPONITRILE.....140(Vol 2)
ALLYLAMINE.....183(Vol 1)
ALLYL ACETATE.....29(Vol 2)
ALLYL ALCOHOL.....165(Vol 1)
p-AMINOAZOBENZENE.....245(Vol 3)
p-AMINODIPHENYL.....243(Vol 3)
p-AMINODIPHENYLAMINE.....250(Vol 3)
2-AMINOETHOXYETHANOL.....321(Vol 1)
N-AMINOETHYL ETHANOLAMINE.....320(Vol 1)
N-AMINOETHYL PIPERAZINE.....252(Vol 2)
1-AMINOHEPTANE.....367(Vol 2)
6-AMINOHEXANOL.....249(Vol 2)
1-AMINO-2-PROPANOL.....203(Vol 1)
3-AMINO-1-PROPANOL.....204(Vol 1)
p-tert-AMYLPHENOL.....231(Vol 3)
ANETHOLE.....172(Vol 3)
ANILINE.....134(Vol 2)
ANISOLE.....295(Vol 2)
ANTHRACENE.....283(Vol 3)
ANTHRAQUINONE.....282(Vol 3)
ASCORBIC ACID.....148(Vol 2)
AZELAIC ACID.....131(Vol 3)
BENZALDEHYDE.....280(Vol 2)
BENZENE.....118(Vol 2)
1,2-BENZENEDIOL.....129(Vol 2)
1,3-BENZENEDIOL.....130(Vol 2)
1,2,3-BENZENETRIOL.....132(Vol 2)
BENZOIC ACID.....281(Vol 2)
BENZONITRILE.....270(Vol 2)
BENZOPHENONE.....273(Vol 3)
BENZOTHIOPHENE.....6(Vol 3)
BENZOTRICHLORIDE.....268(Vol 2)
BENZOTRIFLUORIDE.....269(Vol 2)
BENZOYL CHLORIDE.....266(Vol 2)
BENZYL ACETATE.....114(Vol 3)
BENZYL ALCOHOL.....296(Vol 2)
BENZYL BENZOATE.....288(Vol 3)
BENZYL CHLORIDE.....286(Vol 2)
BENZYL DICHLORIDE.....273(Vol 2)
BENZYL ETHYL ETHER.....126(Vol 3)
BENZYLAMINE.....302(Vol 2)
BICYCLOHEXYL.....259(Vol 3)
BIPHENYL.....241(Vol 3)
BIS(CHLOROMETHYL)ETHER.....99(Vol 1)
BIS(CYANOETHYL)ETHER.....146(Vol 2)
BISPHENOL A.....302(Vol 3)
BROMOBENZENE.....109(Vol 2)
1-BROMOBUTANE.....282(Vol 1)
2-BROMOBUTANE.....283(Vol 1)
BROMOCHLORODIFLUOROMETHANE.....1(Vol 1)
BROMOCHLOROMETHANE.....19(Vol 1)
BROMOETHANE.....106(Vol 1)
1-BROMOHEPTANE.....352(Vol 2)
1-BROMONAPHTHALENE.....161(Vol 3)
1-BROMOPROPANE.....177(Vol 1)
2-BROMOPROPANE.....178(Vol 1)
p-BROMOTOLUENE.....285(Vol 2)
BROMOTRICHLOROMETHANE.....2(Vol 1)
BROMOTRIFLUOROETHYLENE.....45(Vol 1)
BROMOTRIFLUOROMETHANE.....3(Vol 1)
1,2-BUTADIENE.....230(Vol 1)
1,3-BUTADIENE.....231(Vol 1)
n-BUTANE.....290(Vol 1)
1,3-BUTANEDIOL.....299(Vol 1)
1,4-BUTANEDIOL.....300(Vol 1)
2,3-BUTANEDIOL.....301(Vol 1)
n-BUTANOL.....293(Vol 1)
sec-BUTANOL.....294(Vol 1)
tert-BUTANOL.....295(Vol 1)
1-BUTENE.....260(Vol 1)
cis-2-BUTENE.....261(Vol 1)
trans-2-BUTENE.....262(Vol 1)
cis-2-BUTENE-1,4-DIOL.....272(Vol 1)
trans-2-BUTENE-1,4-DIOL.....273(Vol 1)
2-BUTOXYETHANOL.....232(Vol 2)
n-BUTYL ACETATE.....199(Vol 2)
sec-BUTYL ACETATE.....200(Vol 2)
tert-BUTYL ACETATE.....201(Vol 2)
n-BUTYL ACRYLATE.....311(Vol 2)
n-BUTYL BENZOATE.....229(Vol 3)
n-BUTYL n-BUTYRATE.....62(Vol 3)
n-BUTYL CHLORIDE.....284(Vol 1)
sec-BUTYL CHLORIDE.....285(Vol 1)
tert-BUTYL CHLORIDE.....286(Vol 1)
n-BUTYL ETHYL ETHER.....227(Vol 2)
n-BUTYL FORMATE.....53(Vol 2)
sec-BUTYL GLYCOLATE.....213(Vol 2)
t-BUTYL HYDROPEROXIDE.....302(Vol 1)
n-BUTYL ISOCYANATE.....38(Vol 2)
n-BUTYL MERCAPTAN .....307(Vol 1)
sec-BUTYL MERCAPTAN.....309(Vol 1)
tert-BUTYL MERCAPTAN.....310(Vol 1)
n-BUTYL METHACRYLATE.....39(Vol 3)
n-BUTYL NONANOATE.....278(Vol 3)
n-BUTYL PROPIONATE.....345(Vol 2)
n-BUTYL STEARATE.....358(Vol 3)
n-BUTYL VALERATE.....137(Vol 3)
BUTYL VINYL ETHER.....191(Vol 2)
n-BUTYLAMINE.....313(Vol 1)
sec-BUTYLAMINE.....315(Vol 1)
tert-BUTYLAMINE.....316(Vol 1)
n-BUTYLBENZENE.....174(Vol 3)
sec-BUTYLBENZENE.....175(Vol 3)
tert-BUTYLBENZENE.....176(Vol 3)
p-tert-BUTYLCATECHOL.....193(Vol 3)
n-BUTYLCYCLOHEXANE.....209(Vol 3)
tert-BUTYLFORMAMIDE.....69(Vol 2)
1-n-BUTYLNAPHTHALENE.....292(Vol 3)
p-tert-BUTYLPHENOL.....192(Vol 3)
2-BUTYNE-1,4-DIOL.....242(Vol 1)

n-BUTYRALDEHYDE.....266(Vol 1)
n-BUTYRIC ACID.....275(Vol 1)
BUTYRIC ANHYDRIDE.....40(Vol 3)
gamma-BUTYROLACTONE.....243(Vol 1)
n-BUTYRONITRILE.....254(Vol 1)
CAMPHENE.....196(Vol 3)
CAMPHOR.....205(Vol 3)
epsilon-CAPROLACTAM.....170(Vol 2)
epsilon-CAPROLACTONE.....160(Vol 2)
CARBON DIOXIDE.....44(Vol 1)
CARBON DISULFIDE.....48(Vol 1)
CARBON MONOXIDE.....42(Vol 1)
CARBON TETRACHLORIDE.....10(Vol 1)
CARBON TETRAFLUORIDE.....12(Vol 1)
CARBONYL FLUORIDE.....11(Vol 1)
CARBONYL SULFIDE.....43(Vol 1)
CHLOROACETALDEHYDE.....85(Vol 1)
CHLOROACETIC ACID.....86(Vol 1)
CHLOROACETYL CHLORIDE.....71(Vol 1)
o-CHLOROANILINE.....120(Vol 2)
m-CHLOROANILINE.....119(Vol 2)
p-CHLOROANILINE.....121(Vol 2)
o-CHLOROBENZOIC ACID.....267(Vol 2)
p-CHLOROBENZOTRIFLUORIDE.....263(Vol 2)
m-CHLOROBENZOYL CHLORIDE.....264(Vol 2)
1-CHLORO-1,1-DIFLUOROETHANE.....83(Vol 1)
2-CHLORO-1,1-DIFLUOROETHYLENE.....59(Vol 1)
CHLORODIFLUOROMETHANE.....14(Vol 1)
1-CHLORO-2,4-DINITROBENZENE.....95(Vol 2)
2-CHLOROETHANOL.....108(Vol 1)
CHLOROFORM.....16(Vol 1)
1-CHLORONAPHTHALENE.....162(Vol 3)
o-CHLORONITROBENZENE.....101(Vol 2)
m-CHLORONITROBENZENE.....100(Vol 2)
p-CHLORONITROBENZENE.....102(Vol 2)
4-CHLORO-3-NITROBENZOTRIFLUORIDE....260(Vol 2)
CHLOROPENTAFLUOROETHANE.....49(Vol 1)
1-CHLOROPENTANE.....66(Vol 2)
o-CHLOROPHENOL.....112(Vol 2)
m-CHLOROPHENOL.....111(Vol 2)
p-CHLOROPHENOL.....113(Vol 2)
CHLOROPRENE.....223(Vol 1)
2-CHLOROPROPENE.....148(Vol 1)
3-CHLOROPROPENE.....149(Vol 1)
o-CHLOROTOLUENE.....287(Vol 2)
p-CHLOROTOLUENE.....288(Vol 2)
CHLOROTRIFLUOROETHYLENE.....47(Vol 1)
CHLOROTRIFLUOROMETHANE.....5(Vol 1)
CHRYSENE.....325(Vol 3)
CITRACONIC ACID.....11(Vol 2)
CITRIC ACID.....149(Vol 2)
m-CRESOL.....297(Vol 2)
o-CRESOL.....298(Vol 2)
p-CRESOL.....299(Vol 2)
trans-CROTONALDEHYDE.....238(Vol 1)
cis-CROTONIC ACID.....244(Vol 1)
trans-CROTONIC ACID.....245(Vol 1)
trans-CROTONITRILE.....224(Vol 1)
cis-CROTONITRILE.....225(Vol 1)
CUMENE.....118(Vol 3)
CUMENE HYDROPEROXIDE.....128(Vol 3)
p-CUMYLPHENOL.....301(Vol 3)
CYANOGEN.....130(Vol 1)
CYANOGEN CHLORIDE.....6(Vol 1)
CYCLOBUTANE.....263(Vol 1)
CYCLOHEPTANE.....315(Vol 2)
1,3-CYCLOHEXADIENE.....138(Vol 2)
CYCLOHEXANE.....172(Vol 2)
1,4-CYCLOHEXANEDICARBOXYLIC ACID....37(Vol 3)
CYCLOHEXANOL.....192(Vol 2)
CYCLOHEXANONE.....158(Vol 2)
CYCLOHEXANONE OXIME.....171(Vol 2)
CYCLOHEXENE.....150(Vol 2)
CYCLOHEXYL ISOCYANATE.....310(Vol 2)
CYCLOHEXYL PEROXIDE.....206(Vol 2)
CYCLOHEXYLAMINE.....214(Vol 2)
CYCLOHEXYLBENZENE.....254(Vol 3)
1,5-CYCLOOCTADIENE.....35(Vol 3)
CYCLOPENTADIENE.....4(Vol 2)
CYCLOPENTANE.....41(Vol 2)
CYCLOPENTANONE.....26(Vol 2)
CYCLOPENTENE.....15(Vol 2)
CYCLOPROPANE.....159(Vol 1)
m-CYMENE.....177(Vol 3)
o-CYMENE.....178(Vol 3)
p-CYMENE.....179(Vol 3)
DECAFLUOROBUTANE.....213(Vol 1)
1-DECANAL.....211(Vol 3)
n-DECANE.....215(Vol 3)
n-DECANOIC ACID.....212(Vol 3)
1-DECANOL.....221(Vol 3)
1-DECENE.....210(Vol 3)
n-DECYL MERCAPTAN.....225(Vol 3)
n-DECYLAMINE.....226(Vol 3)
n-DECYLBENZENE.....314(Vol 3)
n-DECYLCYCLOHEXANE.....315(Vol 3)
1-n-DECYLNAPHTHALENE.....351(Vol 3)
DEHYDROABIETYLAMINE.....353(Vol 3)
cis-DECAHYDRONAPHTHALENE.....206(Vol 3)
trans-DECAHYDRONAPHTHALENE.....207(Vol 3)
DIACETONE ALCOHOL.....207(Vol 2)
DIALLYL MALEATE.....173(Vol 3)
DIBENZOFURAN.....238(Vol 3)
DIBENZOPYRROLE.....239(Vol 3)
DIBENZYL ETHER.....291(Vol 3)
m-DIBROMOBENZENE.....99(Vol 2)
DIBROMODIFLUOROMETHANE.....4(Vol 1)
1,1-DIBROMOETHANE.....95(Vol 1)
1,2-DIBROMOETHANE.....96(Vol 1)
DIBROMOMETHANE.....20(Vol 1)
1,2-DIBROMOTETRAFLUOROETHANE.....46(Vol 1)
DI-n-BUTYL ETHER.....83(Vol 3)
DI-sec-BUTYL ETHER.....84(Vol 3)
DI-tert-BUTYL ETHER.....85(Vol 3)
DIBUTYL MALEATE.....258(Vol 3)
DI-n-BUTYL SULFONE.....90(Vol 3)
DI-t-BUTYL PEROXIDE.....89(Vol 3)
DIBUTYL PHTHALATE.....313(Vol 3)
DIBUTYL SEBACATE.....337(Vol 3)
DI-n-BUTYLAMINE.....97(Vol 3)
2,6-DI-tert-BUTYL-p-CRESOL.....304(Vol 3)
DICHLOROACETALDEHYDE.....72(Vol 1)
DICHLOROACETIC ACID.....73(Vol 1)
DICHLOROACETYL CHLORIDE.....61(Vol 1)
3,4-DICHLOROANILINE.....114(Vol 2)
m-DICHLOROBENZENE.....103(Vol 2)
o-DICHLOROBENZENE.....104(Vol 2)
p-DICHLOROBENZENE.....105(Vol 2)
2,4-DICHLOROBENZOTRIFLUORIDE.....261(Vol 2)
1,4-DICHLOROBUTANE.....265(Vol 1)
1,3-DICHLORO-trans-2-BUTENE.....234(Vol 1)
1,4-DICHLORO-cis-2-BUTENE.....235(Vol 1)
1,4-DICHLORO-trans-2-BUTENE.....236(Vol 1)
3,4-DICHLORO-1-BUTENE.....237(Vol 1)
DICHLORODIFLUOROMETHANE.....7(Vol 1)
1,1-DICHLOROETHANE.....97(Vol 1)
1,2-DICHLOROETHANE.....98(Vol 1)
1,1-DICHLOROETHYLENE.....68(Vol 1)
cis-1,2-DICHLOROETHYLENE.....69(Vol 1)
trans-1,2-DICHLOROETHYLENE.....70(Vol 1)
DICHLOROFLUOROMETHANE.....15(Vol 1)
DICHLOROMETHANE.....21(Vol 1)
1,2-DICHLORO-4-NITROBENZENE.....96(Vol 2)
1,5-DICHLOROPENTANE.....48(Vol 2)

3,4-DICHLOROPHENYL ISOCYANATE.....262(Vol 2)
1,1-DICHLOROPROPANE.....161(Vol 1)
1,2-DICHLOROPROPANE.....162(Vol 1)
1,3-DICHLOROPROPANE.....163(Vol 2)
2,3-DICHLOROPROPENE.....140(Vol 1)
1,2-DICHLOROTETRAFLUOROETHANE.....50(Vol 1)
2,4-DICHLOROTOLUENE.....274(Vol 2)
DICUMYL PEROXIDE.....333(Vol 3)
1,4-DICYANO-2-BUTENE.....124(Vol 2)
cis-DICYANO-1-BUTENE.....122(Vol 2)
trans-DICYANO-1-BUTENE.....123(Vol 2)
DICYCLOHEXYLAMINE.....260(Vol 3)
DICYCLOPENTADIENE.....170(Vol 3)
DIETHANOLAMINE.....319(Vol 1)
DIETHYL CARBONATE.....64(Vol 2)
DIETHYL DISULFIDE.....312(Vol 1)
DIETHYL ETHER.....296(Vol 1)
DIETHYL KETONE.....51(Vol 2)
DIETHYL MALEATE.....38(Vol 3)
DIETHYL MALONATE.....314(Vol 2)
DIETHYL OXALATE.....166(Vol 2)
DIETHYL PHTHALATE.....253(Vol 3)
DIETHYL SUCCINATE.....41(Vol 3)
DIETHYL SULFATE.....306(Vol 1)
DIETHYL SULFIDE.....311(Vol 1)
DIETHYLAMINE.....317(Vol 1)
N,N-DIETHYLANILINE.....194(Vol 3)
2,6-DIETHYLANILINE.....195(Vol 3)
o-DIETHYLBENZENE.....181(Vol 3)
m-DIETHYLBENZENE.....180(Vol 3)
p-DIETHYLBENZENE.....182(Vol 3)
DIETHYLENE GLYCOL.....305(Vol 1)
DIETHYLENE GLYCOL DI-n-BUTYL ETHER..267(Vol 3)
DIETHYLENE GLYCOL DIETHYL ETHER.....91(Vol 3)
DIETHYLENE GLYCOL DIMETHYL ETHER....236(Vol 2)
DIETHYLENE GLYCOL ETHYL ETHER ACETATE66(Vol 3)
DIETHYLENE GLYCOL MONOBUTYL EHTER...92(Vol 3)
DIETHYLENE TRIAMINE.....323(Vol 1)
3,3-DIETHYLPENTANE.....140(Vol 3)
1,1-DIFLUOROETHANE.....100(Vol 1)
1,2-DIFLUOROETHANE.....101(Vol 1)
1,1-DIFLUOROETHYLENE.....77(Vol 1)
DIFLUOROMETHANE.....22(Vol 1)
DIGLYCOLIC ACID.....251(Vol 1)
DIHEXYL ADIPATE.....338(Vol 3)
DI-n-HEXYL ETHER.....265(Vol 3)
2,5-DIHYDROFURAN.....239(Vol 1)
DIIODOMETHANE.....23(Vol 1)
DIISOBUTYL KETONE.....135(Vol 3)
DIISOBUTYLAMINE.....98(Vol 3)
DIISODECYL PHTHALATE.....363(Vol 3)
DIISOPROPANOLAMINE.....250(Vol 2)
DIISOPROPYL ETHER.....228(Vol 2)
DIISOPROPYL KETONE.....334(Vol 2)
DIISOPROPYLAMINE.....245(Vol 2)
m-DIISOPROPYLBENZENE.....255(Vol 3)
p-DIISOPROPYLBENZENE.....256(Vol 3)
DIISOOCTYL PHTHALATE.....359(Vol 3)
DIKETENE.....218(Vol 1)
1,2-DIMETHOXYETHANE.....303(Vol 1)
DIMETHYL DISULFIDE.....124(Vol 1)
DIMETHYL ETHER.....117(Vol 1)
DIMETHYL MALEATE.....147(Vol 2)
DIMETHYL PHTHALATE.....168(Vol 3)
DIMETHYL SILANE.....129(Vol 1)
DIMETHYL SULFATE.....121(Vol 1)
DIMETHYL SULFIDE.....122(Vol 1)
DIMETHYL SULFOXIDE.....119(Vol 1)
DIMETHYL TEREPHTHALATE.....169(Vol 3)
N,N-DIMETHYLACETAMIDE.....288(Vol 1)
DIMETHYLACETYLENE.....232(Vol 1)
DIMETHYLALUMINUM CHLORIDE.....116(Vol 1)
DIMETHYLAMINE.....125(Vol 1)
p-DIMETHYLAMINOBENZALDEHYDE.....117(Vol 3)
N,N-DIMETHYLANILINE.....31(Vol 3)
2,3-DIMETHYL-1,3-BUTADIENE.....151(Vol 2)
2,2-DIMETHYLBUTANE.....216(Vol 2)
2,3-DIMETHYLBUTANE.....217(Vol 2)
2,3-DIMETHYL-1-BUTENE.....173(Vol 2)
2,3-DIMETHYL-2-BUTENE.....174(Vol 2)
3,3-DIMETHYL-1-BUTENE.....175(Vol 2)
1,1-DIMETHYLCYCLOHEXANE.....42(Vol 3)
cis-1,2-DIMETHYLCYCLOHEXANE.....43(Vol 3)
cis-1,3-DIMETHYLCYCLOHEXANE.....45(Vol 3)
cis-1,4-DIMETHYLCYCLOHEXANE.....47(Vol 3)
trans-1,2-DIMETHYLCYCLOHEXANE.....44(Vol 3)
trans-1,3-DIMETHYLCYCLOHEXANE.....46(Vol 3)
trans-1,4-DIMETHYLCYCLOHEXANE.....48(Vol 3)
1,1-DIMETHYLCYCLOPENTANE.....316(Vol 2)
cis-1,2-DIMETHYLCYCLOPENTANE.....317(Vol 2)
trans-1,2-DIMETHYLCYCLOPENTANE.....318(Vol 2)
cis-1,3-DIMETHYLCYCLOPENTANE.....319(Vol 2)
trans-1,3-DIMETHYLCYCLOPENTANE.....320(Vol 2)
2,3-DIMETHYL-2,3-DIPHENYLBUTANE.....332(Vol 3)
DIMETHYLETHANOLAMINE.....318(Vol 1)
2,2-DIMETHYL-3-ETHYLPENTANE.....141(Vol 3)
2,4-DIMETHYL-3-ETHYLPENTANE.....142(Vol 3)
N,N-DIMETHYLFORMAMIDE.....185(Vol 1)
2,2-DIMETHYLHEPTANE.....143(Vol 3)
2,6-DIMETHYLHEPTANE.....144(Vol 3)
2,6-DIMETHYL-4-HEPTANOL.....154(Vol 3)
2,2-DIMETHYLHEXANE.....67(Vol 3)
2,3-DIMETHYLHEXANE.....68(Vol 3)
2,4-DIMETHYLHEXANE.....69(Vol 3)
2,5-DIMETHYLHEXANE.....70(Vol 3)
3,3-DIMETHYLHEXANE.....71(Vol 3)
3,4-DIMETHYLHEXANE.....72(Vol 3)
2,6-DIMETHYLNAPHTHALENE.....247(Vol 3)
2,7-DIMETHYLNAPHTHALENE.....248(Vol 3)
2,2-DIMETHYLOCTANE.....216(Vol 3)
2,2-DIMETHYLPENTANE.....354(Vol 2)
2,3-DIMETHYLPENTANE.....355(Vol 2)
2,4-DIMETHYLPENTANE.....356(Vol 2)
3,3-DIMETHYLPENTANE.....357(Vol 2)
2,2-DIMETHYL-1-PROPANOL.....73(Vol 2)
2,6-DIMETHYLPYRIDINE.....303(Vol 2)
m-DINITROBENZENE.....106(Vol 2)
o-DINITROBENZENE.....107(Vol 2)
p-DINITROBENZENE.....108(Vol 2)
2,5-DINITROTOLUENE.....276(Vol 2)
2,4-DINITROTOLUENE.....275(Vol 2)
2,6-DINITROTOLUENE.....277(Vol 2)
3,5-DINITROTOLUENE.....279(Vol 2)
3,4-DINITROTOLUENE.....278(Vol 2)
DINONYL ETHER.....342(Vol 3)
DINONYLPHENOL.....361(Vol 3)
DI-n-OCTYL ETHER.....319(Vol 3)
DIOCTYL PHTHALATE.....360(Vol 3)
1,4-DIOXANE.....276(Vol 1)
DI-n-PENTYL ETHER.....222(Vol 3)
DIPHENYL ETHER.....242(Vol 3)
DIPHENYLACETYLENE.....284(Vol 3)
DIPHENYLAMINE.....244(Vol 3)
1,1-DIPHENYLETHANE.....289(Vol 3)
1,2-DIPHENYLETHANE.....290(Vol 3)
DIPHENYLMETHANE-4,4'-DIISOCYANATE...300(Vol 3)
N,N'-DIPHENYL-p-PHENYLENEDIAMINE....331(Vol 3)
1,3-DIPHENYLTRIAZENE.....246(Vol 3)
DIPHENYLMETHANE.....274(Vol 3)
DI-n-PROPYL ETHER.....229(Vol 2)
DI-n-PROPYL SULFONE.....235(Vol 2)
DI-n-PROPYLAMINE.....246(Vol 2)
DIPROPYLENE GLYCOL.....237(Vol 2)
DIVINYL ETHER.....240(Vol 1)

m-DIVINYLBENZENE.....165(Vol 3)
1-DODECANAL.....262(Vol 3)
n-DODECANE.....264(Vol 3)
n-DODECANOIC ACID.....263(Vol 3)
1-DODECANOL.....266(Vol 3)
1-DODECENE.....261(Vol 3)
n-DODECYL MERCAPTAN.....268(Vol 3)
DODECYLAMINE.....270(Vol 3)
n-DODECYLBENZENE.....334(Vol 3)
n-EICOSANE.....355(Vol 3)
1-EICOSANOL.....356(Vol 3)
1-EICOSENE.....354(Vol 3)
alpha-EPICHLOROHYDRIN.....150(Vol 1)
1,2-EPOXYBUTANE.....268(Vol 1)
ETHANE.....115(Vol 1)
ETHANOL.....118(Vol 1)
2-ETHOXYETHANOL.....304(Vol 1)
2-(2-ETHOXYETHOXY)ETHANOL.....238(Vol 2)
2-ETHOXYETHYL ACETATE.....210(Vol 2)
ETHYL ACETATE.....277(Vol 1)
ETHYL ACRYLATE.....30(Vol 2)
ETHYL ALUMINUM SESQUICHLORIDE.....244(Vol 2)
ETHYL BENZOATE.....115(Vol 3)
ETHYL n-BUTYRATE.....202(Vol 2)
2-ETHYL BUTYRIC ACID.....208(Vol 2)
ETHYL CHLORIDE.....107(Vol 1)
ETHYL CHLOROFORMATE.....152(Vol 1)
ETHYL CYANOACETATE.....14(Vol 2)
ETHYL FLUORIDE.....109(Vol 1)
ETHYL FORMATE.....170(Vol 1)
ETHYL IODIDE.....110(Vol 1)
ETHYL ISOBUTYRATE.....203(Vol 2)
ETHYL ISOPROPYL KETONE.....194(Vol 2)
ETHYL ISOVALERATE.....346(Vol 2)
ETHYL LACTATE.....65(Vol 2)
ETHYL MERCAPTAN.....123(Vol 1)
ETHYL METHACRYLATE.....161(Vol 2)
ETHYL PROPIONATE.....54(Vol 2)
ETHYL PROPYL ETHER.....84(Vol 2)
ETHYL VANILLIN.....116(Vol 3)
ETHYL VINYL ETHER.....270(Vol 1)
ETHYLACETOACETATE.....163(Vol 2)
ETHYLACETYLENE.....233(Vol 1)
ETHYLAMINE.....126(Vol 1)
o-ETHYLANILINE.....32(Vol 3)
ETHYLBENZENE.....17(Vol 3)
2-ETHYL-1-BUTENE.....176(Vol 2)
2-ETHYL-1-BUTANOL.....222(Vol 2)
ETHYLCYCLOHEXANE.....49(Vol 3)
ETHYLCYCLOPENTANE.....321(Vol 2)
ETHYLENE.....94(Vol 1)
ETHYLENE CARBONATE.....146(Vol 1)
ETHYLENE GLYCOL.....120(Vol 1)
ETHYLENE GLYCOL DIACETATE.....167(Vol 2)
ETHYLENE GLYCOL MONOPROPYL ETHER....85(Vol 2)
ETHYLENE OXIDE.....103(Vol 1)
ETHYLENEDIAMINE.....128(Vol 1)
ETHYLENEIMINE.....111(Vol 1)
ETHYL-3-ETHOXYPROPIONATE.....351(Vol 2)
3-ETHYLHEPTANE.....145(Vol 3)
2-ETHYLHEXANAL.....59(Vol 3)
3-ETHYLHEXANE.....73(Vol 3)
2-ETHYL-1-HEXANOL.....86(Vol 3)
2-ETHYL-1-HEXENE.....50(Vol 3)
2-ETHYLHEXYL ACETATE.....213(Vol 3)
2-ETHYLHEXYL ACRYLATE.....232(Vol 3)
ETHYLIDENE DIACETATE.....168(Vol 2)
1-ETHYLNAPHTHALENE.....249(Vol 3)
3-ETHYLPENTANE.....358(Vol 2)
2-ETHYL-1-PENTENE.....322(Vol 2)
3-ETHYL-1-PENTENE.....323(Vol 2)
m-ETHYLPHENOL.....21(Vol 3)
p-ETHYLPHENOL.....22(Vol 3)
m-ETHYLTOLUENE.....119(Vol 3)
o-ETHYLTOLUENE.....120(Vol 3)
p-ETHYLTOLUENE.....121(Vol 3)
2-ETHYL-m-XYLENE.....183(Vol 3)
2-ETHYL-p-XYLENE.....184(Vol 3)
3-ETHYL-o-XYLENE.....185(Vol 3)
4-ETHYL-m-XYLENE.....186(Vol 3)
4-ETHYL-o-XYLENE.....187(Vol 3)
5-ETHYL-m-XYLENE.....188(Vol 3)
FLUORANTHENE.....309(Vol 3)
FLUORENE.....272(Vol 3)
FLUOROBENZENE.....115(Vol 2)
FORMALDEHYDE.....24(Vol 1)
FORMAMIDE.....31(Vol 1)
FORMANILIDE.....289(Vol 2)
FORMIC ACID.....25(Vol 1)
FUMARIC ACID.....220(Vol 1)
FURAN.....217(Vol 1)
FURFURAL.....2(Vol 2)
FURFURYL ALCOHOL.....9(Vol 2)
L-GLUTAMIC ACID.....40(Vol 2)
GLUTARIC ACID.....36(Vol 2)
GLUTARIC ANHYDRIDE.....10(Vol 2)
GLUTARONITRILE.....8(Vol 2)
GLYCEROL.....197(Vol 1)
GLYCERYL TRIACETATE.....130(Vol 3)
GUAIACOL.....300(Vol 2)
HALOTHANE.....58(Vol 1)
n-HEPTADECANE.....323(Vol 3)
1-HEPTADECANOL.....324(Vol 3)
1-HEPTADECENE.....322(Vol 3)
1-HEPTANAL.....336(Vol 2)
n-HEPTANE.....359(Vol 2)
n-HEPTANOIC ACID.....350(Vol 2)
1-HEPTANOL.....363(Vol 2)
2-HEPTANOL.....364(Vol 2)
2-HEPTANONE.....335(Vol 2)
1-HEPTENE.....324(Vol 2)
cis-2-HEPTENE.....325(Vol 2)
cis-3-HEPTENE.....327(Vol 2)
trans-2-HEPTENE.....326(Vol 2)
trans-3-HEPTENE.....328(Vol 2)
n-HEPTYL MERCAPTAN.....366(Vol 2)
n-HEPTYLBENZENE.....275(Vol 3)
HEXACHLOROBENZENE.....93(Vol 2)
HEXACHLORO-1,3-BUTADIENE.....210(Vol 1)
HEXACHLOROCYCLOPENTADIENE.....1(Vol 2)
HEXACHLOROETHANE.....55(Vol 1)
n-HEXADECANE.....318(Vol 3)
n-HEXADECANOIC ACID.....317(Vol 3)
1-HEXADECANOL.....320(Vol 3)
1-HEXADECENE.....316(Vol 3)
1,5-HEXADIENE.....152(Vol 2)
cis,trans-2,4-HEXADIENE.....153(Vol 2)
trans,trans-2,4-HEXADIENE.....154(Vol 2)
HEXAFLUOROACETONE.....132(Vol 1)
HEXAFLUOROBENZENE.....94(Vol 2)
HEXAFLUOROETHANE.....57(Vol 1)
HEXAFLUOROPROPYLENE.....131(Vol 1)
HEXAMETHYL PHOSPHORAMIDE.....255(Vol 2)
HEXAMETHYLCYCLOTRISILOXANE.....258(Vol 2)
HEXAMETHYLDISILAZANE.....259(Vol 2)
HEXAMETHYLDISILOXANE.....257(Vol 2)
HEXAMETHYLENEDIAMINE.....254(Vol 2)
HEXAMETHYLENEIMINE.....215(Vol 2)
1-HEXANAL.....193(Vol 2)
n-HEXANE.....218(Vol 2)
1,6-HEXANEDIOL.....233(Vol 2)
HEXANENITRILE.....169(Vol 2)
n-HEXANOIC ACID.....209(Vol 2)
1-HEXANOL.....223(Vol 2)

2-HEXANOL.....224(Vol 2)
2-HEXANONE.....195(Vol 2)
3-HEXANONE.....196(Vol 2)
1-HEXENE.....177(Vol 2)
cis-2-HEXENE.....178(Vol 2)
cis-3-HEXENE.....180(Vol 2)
trans-2-HEXENE.....179(Vol 2)
trans-3-HEXENE.....181(Vol 2)
n-HEXYL ACETATE.....63(Vol 3)
n-HEXYLAMINE.....247(Vol 2)
n-HEXYLBENZENE.....257(Vol 3)
HEXYLENE GLYCOL.....234(Vol 2)
n-HEXYLMERCAPTAN.....242(Vol 2)
1-n-HEXYLNAPHTHALENE.....312(Vol 3)
1-HEXYNE.....155(Vol 2)
2-HEXYNE.....156(Vol 2)
3-HEXYNE.....157(Vol 2)
HYDRACRYLONITRILE.....156(Vol 1)
HYDRAZOBENZENE.....251(Vol 3)
HYDROGEN CYANIDE.....18(Vol 1)
p-HYDROQUINONE.....131(Vol 2)
p-HYDROXYBENZALDEHYDE.....282(Vol 2)
HYDROXYCAPROIC ACID.....211(Vol 2)
2-HYDROXYETHYL ACRYLATE.....33(Vol 2)
8-HYDROXYQUINOLINE.....106(Vol 3)
INDANE.....109(Vol 3)
INDENE.....107(Vol 3)
INDOLE.....7(Vol 3)
IODOBENZENE.....116(Vol 2)
ISOBUTANE.....291(Vol 1)
ISOBUTANOL.....298(Vol 1)
ISOBUTENE.....264(Vol 1)
ISOBUTYL ACETATE.....204(Vol 2)
ISOBUTYL ACRYLATE.....312(Vol 2)
ISOBUTYL FORMATE.....55(Vol 2)
ISOBUTYL ISOBUTYRATE.....64(Vol 3)
ISOBUTYL MERCAPTAN.....308(Vol 1)
ISOBUTYLAMINE.....314(Vol 1)
ISOBUTYLBENZENE.....189(Vol 3)
ISOBUTYRALDEHYDE.....267(Vol 1)
ISOBUTYRIC ACID.....274(Vol 1)
ISOBUTYRONITRILE.....255(Vol 1)
ISODECANOL.....223(Vol 3)
ISOPENTANE.....70(Vol 2)
ISOPENTYL ACETATE.....347(Vol 2)
ISOPENTYL ISOVALERATE.....214(Vol 3)
ISOPHORONE.....129(Vol 3)
ISOPHTHALIC ACID.....3(Vol 3)
ISOPHTHALOYL CHLORIDE.....1(Vol 3)
ISOPRENE.....16(Vol 2)
ISOPROPANOL.....190(Vol 1)
ISOPROPYL ACETATE.....56(Vol 2)
ISOPROPYL CHLORIDE.....179(Vol 1)
ISOPROPYL IODIDE.....181(Vol 1)
ISOPROPYL MERCAPTAN.....199(Vol 1)
ISOPROPYLAMINE.....201(Vol 1)
ISOPROPYLCYCLOHEXANE.....132(Vol 3)
ISOQUINOLINE.....104(Vol 3)
ISOVALERIC ACID.....60(Vol 2)
ITACONIC ACID.....12(Vol 2)
KETENE.....79(Vol 1)
LACTIC ACID.....174(Vol 1)
LACTONITRILE.....157(Vol 1)
LEVULINIC ACID.....34(Vol 2)
D-LIMONENE.....197(Vol 3)
LINOLEIC ACID.....335(Vol 3)
LYSINE.....221(Vol 2)
MALEIC ACID.....221(Vol 1)
MALEIC ANHYDRIDE.....214(Vol 1)
MALIC ACID.....252(Vol 1)
MALONONITRILE.....134(Vol 1)
3-MERCAPTOPROPIONIC ACID.....173(Vol 1)
MESITYL OXIDE.....159(Vol 2)
MESITYLENE.....122(Vol 3)
METHACROLEIN.....241(Vol 1)
2-METHACRYLAMIDE.....257(Vol 1)
METHACRYLIC ACID.....246(Vol 1)
METHACRYLONITRILE.....226(Vol 1)
METHANE.....33(Vol 1)
METHANESULFONIC ACID.....36(Vol 1)
METHANOL.....35(Vol 1)
METHOXYACETIC ACID.....175(Vol 1)
2-METHOXYETHANOL.....193(Vol 1)
2-(2-METHOXYETHOXY)ETHANOL.....88(Vol 2)
p-METHOXYPHENOL.....301(Vol 2)
3-METHOXYPROPIONITRILE.....258(Vol 1)
METHYL ACETATE.....171(Vol 1)
METHYL ACETOACETATE.....35(Vol 2)
METHYL ACRYLATE.....247(Vol 1)
METHYL BENZOATE.....11(Vol 3)
METHYL BROMIDE.....26(Vol 1)
METHYL sec-BUTYL ETHER.....81(Vol 2)
METHYL tert-BUTYL ETHER.....82(Vol 2)
METHYL n-BUTYRATE.....58(Vol 2)
METHYL CHLORIDE.....27(Vol 1)
METHYL CHLOROACETATE.....151(Vol 1)
METHYL CHLOROFORMATE.....87(Vol 1)
METHYL CHLOROSILANE.....38(Vol 1)
METHYL CYANOACETATE.....229(Vol 1)
METHYL DICHLOROSILANE.....34(Vol 1)
METHYL DIETHANOLAMINE.....92(Vol 2)
METHYL DODECANOATE.....279(Vol 3)
METHYL ETHYL ETHER.....191(Vol 1)
METHYL ETHYL KETONE.....269(Vol 1)
METHYL FLUORIDE.....29(Vol 1)
METHYL FORMATE.....105(Vol 1)
METHYL IODIDE.....30(Vol 1)
METHYL ISOBUTYL ETHER.....83(Vol 2)
METHYL ISOBUTYL KETONE.....197(Vol 2)
METHYL ISOCYANATE.....93(Vol 1)
METHYL ISOPROPENYL KETONE.....27(Vol 2)
METHYL ISOPROPYL ETHER.....297(Vol 1)
METHYL ISOPROPYL KETONE.....49(Vol 2)
METHYL MERCAPTAN.....37(Vol 1)
METHYL METHACRYLATE.....31(Vol 2)
METHYL OLEATE.....346(Vol 3)
METHYL tert-PENTYL ETHER.....230(Vol 2)
METHYL PROPIONATE.....278(Vol 1)
METHYL SALICYLATE.....14(Vol 3)
METHYL SILANE.....40(Vol 1)
3-METHYL SULFOLANE.....63(Vol 2)
METHYL TRICHLOROSILANE.....28(Vol 1)
METHYL VINYL ETHER.....166(Vol 1)
N-METHYLACETAMIDE.....186(Vol 1)
METHYLACETYLENE.....138(Vol 1)
METHYLAL.....194(Vol 1)
METHYLAMINE.....39(Vol 1)
N-METHYLANILINE.....304(Vol 2)
2-METHYLBENZOFURAN.....108(Vol 3)
3-METHYL-1,2-BUTADIENE.....17(Vol 2)
2-METHYL-1-BUTANOL.....74(Vol 2)
2-METHYL-2-BUTANOL.....75(Vol 2)
3-METHYL-1-BUTANOL.....76(Vol 2)
3-METHYL-2-BUTANOL.....77(Vol 2)
2-METHYL-2-BUTENE.....43(Vol 2)
2-METHYL-1-BUTENE.....42(Vol 2)
3-METHYL-1-BUTENE.....44(Vol 2)
2-METHYL-1-BUTENE-3-YNE.....5(Vol 2)
3-METHYL-1-BUTYNE.....24(Vol 2)
2-METHYLBUTYRIC ACID.....59(Vol 2)
METHYLCYCLOHEXANE.....329(Vol 2)
1-METHYLCYCLOHEXANOL.....337(Vol 2)
cis-2-METHYLCYCLOHEXANOL.....338(Vol 2)
cis-3-METHYLCYCLOHEXANOL.....340(Vol 2)

cis-4-METHYLCYCLOHEXANOL.....342(Vol 2)
trans-2-METHYLCYCLOHEXANOL.....339(Vol 2)
trans-3-METHYLCYCLOHEXANOL.....341(Vol 2)
trans-4-METHYLCYCLOHEXANOL.....343(Vol 2)
N-METHYLCYCLOHEXYLAMINE.....353(Vol 2)
METHYLCYCLOPENTADIENE.....139(Vol 2)
METHYLCYCLOPENTANE.....182(Vol 2)
METHYLETHANOLAMINE.....205(Vol 1)
1-METHYL-1-ETHYLCYCLOPENTANE.....51(Vol 3)
3-METHYL-3-ETHYLPENTANE.....74(Vol 3)
N-METHYLFORMAMIDE.....113(Vol 1)
METHYLGLUTARONITRILE.....141(Vol 2)
2-METHYLHEPTANE.....75(Vol 3)
3-METHYLHEPTANE.....76(Vol 3)
4-METHYLHEPTANE.....77(Vol 3)
2-METHYLHEXANE.....360(Vol 2)
3-METHYLHEXANE.....361(Vol 2)
5-METHYL-1-HEXANOL.....365(Vol 2)
5-METHYL-2-HEXANONE.....344(Vol 2)
2-METHYL-1-HEXENE.....330(Vol 2)
3-METHYL-1-HEXENE.....331(Vol 2)
4-METHYL-1-HEXENE.....332(Vol 2)
1-METHYLINDENE.....166(Vol 3)
2-METHYLINDENE.....167(Vol 3)
1-METHYLNAPHTHALENE.....227(Vol 3)
2-METHYLNAPHTHALENE.....228(Vol 3)
2-METHYLNONANE.....217(Vol 3)
3-METHYLNONANE.....218(Vol 3)
4-METHYLNONANE.....219(Vol 3)
5-METHYLNONANE.....220(Vol 3)
2-METHYLOCTANE.....146(Vol 3)
3-METHYLOCTANE.....147(Vol 3)
4-METHYLOCTANE.....148(Vol 3)
2-METHYLPENTANE.....219(Vol 2)
3-METHYLPENTANE.....220(Vol 2)
2-METHYL-1-PENTANOL.....225(Vol 2)
4-METHYL-2-PENTANOL.....226(Vol 2)
2-METHYL-1-PENTENE.....183(Vol 2)
2-METHYL-2-PENTENE.....184(Vol 2)
3-METHYL-1-PENTENE.....185(Vol 2)
4-METHYL-1-PENTENE.....187(Vol 2)
3-METHYL-cis-2-PENTENE.....186(Vol 2)
4-METHYL-cis-2-PENTENE.....188(Vol 2)
4-METHYL-trans-2-PENTENE.....189(Vol 2)
2-METHYLPYRIDINE.....135(Vol 2)
3-METHYLPYRIDINE.....136(Vol 2)
4-METHYLPYRIDINE.....137(Vol 2)
N-METHYLPYRROLE.....13(Vol 2)
N-METHYLPYRROLIDINE.....67(Vol 2)
N-METHYL-2-PYRROLIDONE.....39(Vol 2)
alpha-METHYLSTYRENE.....110(Vol 3)
m-METHYLSTYRENE.....111(Vol 3)
o-METHYLSTYRENE.....112(Vol 3)
p-METHYLSTYRENE.....113(Vol 3)
MONOCHLOROBENZENE.....110(Vol 2)
MONOETHANOLAMINE.....127(Vol 1)
MORPHOLINE.....289(Vol 1)
NAPHTHALENE.....163(Vol 3)
NEOPENTANE.....71(Vol 2)
NEOPENTYL GLYCOL.....86(Vol 2)
m-NITROANILINE.....125(Vol 2)
o-NITROANILINE.....126(Vol 2)
p-NITROANILINE.....127(Vol 2)
o-NITROANISOLE.....293(Vol 2)
NITROBENZENE.....117(Vol 2)
3-NITROBENZOTRIFLUORIDE.....265(Vol 2)
NITROETHANE.....114(Vol 1)
NITROGLYCERINE.....158(Vol 1)
NITROMETHANE.....32(Vol 1)
1-NITROPROPANE.....187(Vol 1)
2-NITROPROPANE.....188(Vol 1)
m-NITROTOLUENE.....290(Vol 2)
o-NITROTOLUENE.....291(Vol 2)
p-NITROTOLUENE.....292(Vol 2)
n-NONADECANE.....349(Vol 3)
NONADECANOIC ACID.....348(Vol 3)
1-NONADECENE.....347(Vol 3)
1-NONANAL.....136(Vol 3)
n-NONANE.....149(Vol 3)
n-NONANOIC ACID.....138(Vol 3)
1-NONANOL.....155(Vol 3)
2-NONANOL.....156(Vol 3)
1-NONENE.....133(Vol 3)
n-NONYL MERCAPTAN.....157(Vol 3)
n-NONYLAMINE.....158(Vol 3)
n-NONYLBENZENE.....303(Vol 3)
1-n-NONYLNAPHTHALENE.....344(Vol 3)
NONYLPHENOL.....305(Vol 3)
2-NORBORNENE.....308(Vol 2)
n-OCTADECANE.....341(Vol 3)
1-OCTADECANOL.....343(Vol 3)
1-OCTADECENE.....339(Vol 3)
OCTAFLUORO-2-BUTENE.....211(Vol 1)
OCTAFLUOROCYCLOBUTANE.....212(Vol 1)
OCTAFLUOROPROPANE.....133(Vol 1)
OCTAMETHYLCYCLOTETRASILOXANE.....101(Vol 3)
1-OCTANAL.....60(Vol 3)
n-OCTANE.....78(Vol 3)
n-OCTANOIC ACID.....65(Vol 3)
1-OCTANOL.....87(Vol 3)
2-OCTANOL.....88(Vol 3)
2-OCTANONE.....61(Vol 3)
1-OCTENE.....52(Vol 3)
trans-2-OCTENE.....53(Vol 3)
trans-3-OCTENE.....54(Vol 3)
trans-4-OCTENE.....55(Vol 3)
n-OCTYL FORMATE.....139(Vol 3)
n-OCTYL MERCAPTAN.....95(Vol 3)
t-OCTYL MERCAPTAN.....96(Vol 3)
n-OCTYLAMINE.....99(Vol 3)
n-OCTYLBENZENE.....293(Vol 3)
p-tert-OCTYLPHENOL.....294(Vol 3)
OLEIC ACID.....336(Vol 3)
OXALIC ACID.....80(Vol 1)
OXAZOLE.....137(Vol 1)
PARALDEHYDE.....212(Vol 2)
PENTACHLOROETHANE.....63(Vol 1)
n-PENTADECANE.....308(Vol 3)
PENTADECANOIC ACID.....307(Vol 3)
1-PENTADECENE.....306(Vol 3)
1,2-PENTADIENE.....18(Vol 2)
1,4-PENTADIENE.....21(Vol 2)
2,3-PENTADIENE.....22(Vol 2)
cis-1,3-PENTADIENE.....19(Vol 2)
trans-1,3-PENTADIENE.....20(Vol 2)
PENTAERYTHRITOL.....89(Vol 2)
PENTAERYTHRITOL TETRANITRATE.....25(Vol 2)
PENTAFLUOROETHANE.....65(Vol 1)
n-PENTANE.....72(Vol 2)
1,5-PENTANEDIOL.....87(Vol 2)
1-PENTANOL.....78(Vol 2)
2-PENTANOL.....79(Vol 2)
3-PENTANOL.....80(Vol 2)
2-PENTANONE.....50(Vol 2)
1-PENTENE.....45(Vol 2)
cis-2-PENTENE.....46(Vol 2)
trans-2-PENTENE.....47(Vol 2)
1-PENTENE-3-YNE.....6(Vol 2)
1-PENTENE-4-YNE.....7(Vol 2)
n-PENTYL ACETATE.....348(Vol 2)
n-PENTYL FORMATE.....198(Vol 2)
n-PENTYL MERCAPTAN.....90(Vol 2)
n-PENTYLAMINE.....91(Vol 2)
n-PENTYLBENZENE.....230(Vol 3)

1-PENTYNE.....23(Vol 2)
alpha-PHELLANDRENE.....198(Vol 3)
beta-PHELLANDRENE.....199(Vol 3)
PHENANTHRENE.....285(Vol 3)
p-PHENETIDINE.....34(Vol 3)
PHENETOLE.....23(Vol 3)
PHENOL.....128(Vol 2)
PHENYL ISOCYANATE.....271(Vol 2)
PHENYL MERCAPTAN.....133(Vol 2)
m-PHENYLENEDIAMINE.....142(Vol 2)
o-PHENYLENEDIAMINE.....143(Vol 2)
p-PHENYLENEDIAMINE.....144(Vol 2)
2-PHENYLETHANOL.....24(Vol 3)
PHENYLHYDRAZINE.....145(Vol 2)
1-PHENYLNAPHTHALENE.....311(Vol 3)
2-PHENYL-2-PROPANOL.....127(Vol 3)
PHOSGENE.....8(Vol 1)
PHTHALIC ACID.....4(Vol 3)
PHTHALIC ANHYDRIDE.....2(Vol 3)
alpha-PINENE.....200(Vol 3)
beta-PINENE.....201(Vol 3)
PIPERAZINE.....292(Vol 1)
PIPERIDINE.....68(Vol 2)
PROPADIENE.....139(Vol 1)
PROPANE.....189(Vol 1)
1,2-PROPANEDIAMINE.....207(Vol 1)
n-PROPANOL.....192(Vol 1)
PROPARGYL ALCOHOL.....142(Vol 1)
PROPARGYL CHLORIDE.....135(Vol 1)
beta-PROPIOLACTONE.....144(Vol 1)
n-PROPIONALDEHYDE.....167(Vol 1)
PROPIONIC ACID.....172(Vol 1)
PROPIONIC ANHYDRIDE.....164(Vol 2)
PROPIONITRILE.....154(Vol 1)
n-PROPYL ACETATE.....57(Vol 2)
n-PROPYL ACRYLATE.....162(Vol 2)
n-PROPYL n-BUTYRATE.....349(Vol 2)
n-PROPYL CHLORIDE.....180(Vol 1)
n-PROPYL FORMATE.....279(Vol 1)
n-PROPYL IODIDE.....182(Vol 1)
n-PROPYL METHACRYLATE.....313(Vol 2)
n-PROPYL PROPIONATE.....205(Vol 2)
n-PROPYLAMINE.....200(Vol 1)
n-PROPYLBENZENE.....123(Vol 3)
n-PROPYLCYCLOHEXANE.....134(Vol 3)
n-PROPYLCYCLOPENTANE.....56(Vol 3)
PROPYLENE.....160(Vol 1)
1,2-PROPYLENE GLYCOL.....195(Vol 1)
1,3-PROPYLENE GLYCOL.....196(Vol 1)
1,3-PROPYLENE OXIDE.....169(Vol 1)
1,2-PROPYLENE OXIDE.....168(Vol 1)
PROPYLENEIMINE.....184(Vol 1)
n-PROPYLMERCAPTAN.....198(Vol 1)
PYRENE.....310(Vol 3)
PYRIDINE.....3(Vol 2)
PYROMELLITIC ACID.....160(Vol 3)
PYRROLE.....227(Vol 1)
PYRROLIDINE.....287(Vol 1)
2-PYRROLIDONE.....259(Vol 1)
PYRUVIC ACID.....147(Vol 1)
QUINALDINE.....164(Vol 3)
QUINOLINE.....105(Vol 3)
SALICYLALDEHYDE.....283(Vol 2)
SALICYLIC ACID.....284(Vol 2)
SEBACIC ACID.....208(Vol 3)
SORBITOL.....241(Vol 2)
STEARIC ACID.....340(Vol 3)
cis-STILBENE.....286(Vol 3)
trans-STILBENE.....287(Vol 3)
STYRENE.....8(Vol 3)
SUCCINIC ACID.....250(Vol 1)
SUCCINIC ANHYDRIDE.....219(Vol 1)
SUCCINONITRILE.....216(Vol 1)
SULFOLANE.....280(Vol 1)
TARTARIC ACID.....253(Vol 1)
TEREPHTHALIC ACID.....5(Vol 3)
m-TERPHENYL.....326(Vol 3)
o-TERPHENYL.....327(Vol 3)
p-TERPHENYL.....328(Vol 3)
alpha-TERPINENE.....202(Vol 3)
gamma-TERPINENE.....203(Vol 3)
TERPINOLENE.....204(Vol 3)
1,1,2,2-TETRABROMOETHANE.....67(Vol 1)
1,1,2,2-TETRACHLORODIFLUOROETHANE...53(Vol 1)
1,1,1,2-TETRACHLOROETHANE.....75(Vol 1)
1,1,2,2-TETRACHLOROETHANE.....76(Vol 1)
TETRACHLOROETHYLENE.....52(Vol 1)
TETRACHLOROTHIOPHENE.. .....209(Vol 1)
n-TETRADECANE.....297(Vol 3)
n-TETRADECANOIC ACID.....296(Vol 3)
1-TETRADECANOL.....298(Vol 3)
1-TETRADECENE.....295(Vol 3)
TETRADECYLAMINE.....299(Vol 3)
TETRAETHYLENE GLYCOL... .....94(Vol 3)
TETRAETHYLENE GLYCOL DIMETHYL ETHER.224(Vol 3)
TETRAETHYLENEPENTAMINE.....100(Vol 3)
1,1,1,2-TETRAFLUOROETHANE.....78(Vol 1)
TETRAFLUOROETHYLENE.....56(Vol 1)
TETRAHYDROFURAN.....271(Vol 1)
TETRAHYDROFURFURYL ALCOHOL.....62(Vol 2)
1,2,3,4-TETRAHYDRONAPHTHALENE.....171(Vol 3)
TETRAHYDROTHIOPHENE.....281(Vol 1)
1,2,3,5-TETRAMETHYLBENZENE.....190(Vol 3)
1,2,4,5-TETRAMETHYLBENZENE.....191(Vol 3)
2,2,3,3-TETRAMETHYLPENTANE.....150(Vol 3)
2,2,3,4-TETRAMETHYLPENTANE.....151(Vol 3)
2,2,4,4-TETRAMETHYLPENTANE.....152(Vol 3)
TETRAMETHYLSILANE.....322(Vol 1)
TETRANITROMETHANE.....41(Vol 1)
TETRAPHENYLETHYLENE.....362(Vol 3)
THIOPHENE.....222(Vol 1)
p-TOLUALDEHYDE.....10(Vol 3)
TOLUENE.....294(Vol 2)
TOLUENE DIISOCYANATE.....103(Vol 3)
TOLUENEDIAMINE.....309(Vol 2)
o-TOLUIC ACID.....12(Vol 3)
p-TOLUIC ACID.....13(Vol 3)
m-TOLUIDINE.....305(Vol 2)
o-TOLUIDINE.....306(Vol 2)
p-TOLUIDINE.....307(Vol 2)
TRIBROMOMETHANE.....13(Vol 1)
TRI-n-BUTYL BORATE .....269(Vol 3)
TRI-n-BUTYLAMINE.....271(Vol 3)
TRICHLOROACETALDEHYDE.....62(Vol 1)
TRICHLOROACETYL CHLORIDE.....54(Vol 1)
1,2,4-TRICHLOROBENZENE.....97(Vol 2)
1,1,1-TRICHLOROETHANE.....88(Vol 1)
1,1,2-TRICHLOROETHANE.....89(Vol 1)
TRICHLOROETHYLENE.....60(Vol 1)
1,1,1-TRICHLOROFLUOROETHANE.....74(Vol 1)
TRICHLOROFLUOROMETHANE.....9(Vol 1)
1,2,3-TRICHLOROPROPANE.....153(Vol 1)
1,1,2-TRICHLOROTRIFLUOROETHANE.....51(Vol 1)
TRI-o-CRESYL PHOSPHATE.....357(Vol 3)
1-TRIDECANAL.....277(Vol 3)
n-TRIDECANE.....280(Vol 3)
1-TRIDECANOL.....281(Vol 3)
1-TRIDECENE.....276(Vol 3)
n-TRIDECYLBENZENE.....345(Vol 3)
TRIETHANOLAMINE.....251(Vol 2)
TRIETHYL ALUMINUM.....243(Vol 2)
TRIETHYL PHOSPHATE.....253(Vol 2)
TRIETHYLAMINE.....248(Vol 2)
TRIETHYLENE GLYCOL.....240(Vol 2)

TRIETHYLENE GLYCOL DIMETHYL ETHER...93(Vol 3)
TRIETHYLENE TETRAMINE.....256(Vol 2)
TRIETHYLENEDIAMINE.....190(Vol 2)
TRIFLUOROACETIC ACID.....64(Vol 1)
1,1,1-TRIFLUOROETHANE.....91(Vol 1)
TRIFLUOROMETHANE.....17(Vol 1)
TRIMELLITIC ANHYDRIDE.....102(Vol 3)
TRIMETHYL PHOSPHATE.....206(Vol 1)
TRIMETHYL SILANE.....208(Vol 1)
TRIMETHYLAMINE.....202(Vol 1)
1,2,3-TRIMETHYLBENZENE.....124(Vol 3)
1,2,4-TRIMETHYLBENZENE.....125(Vol 3)
2,2,3-TRIMETHYLBUTANE.....362(Vol 2)
2,3,3-TRIMETHYL-1-BUTENE.....333(Vol 2)
2,2,5-TRIMETHYLHEXANE.....153(Vol 3)
1,2,3-TRIMETHYLINDENE.....252(Vol 3)
TRIMETHYLOLPROPANE.....239(Vol 2)
2,2,3-TRIMETHYLPENTANE.....79(Vol 3)
2,2,4-TRIMETHYLPENTANE.....80(Vol 3)
2,3,3-TRIMETHYLPENTANE.....81(Vol 3)
2,3,4-TRIMETHYLPENTANE.....82(Vol 3)
2,4,4-TRIMETHYL-1-PENTENE.....57(Vol 3)
2,4,4-TRIMETHYL-2-PENTENE.....58(Vol 3)
2,4,6-TRIMETHYLPYRIDINE.....33(Vol 3)
1,3,5-TRINITROBENZENE.....98(Vol 2)
2,4,6-TRINITROTOLUENE.....272(Vol 2)
TRIPHENYL PHOSPHATE.....330(Vol 3)
TRIPHENYLETHYLENE.....350(Vol 3)
TRIPHENYLPHOSPHINE.....329(Vol 3)
TRIOXANE.....176(Vol 1)
TRIPROPYLAMINE.....159(Vol 3)
1-UNDECANAL.....234(Vol 3)
n-UNDECANE.....235(Vol 3)
1-UNDECANOL.....236(Vol 3)
1-UNDECENE.....233(Vol 3)
UNDECYL MERCAPTAN.....237(Vol 3)
n-UNDECYLBENZENE.....321(Vol 3)
VALERALDEHYDE.....52(Vol 2)
VALERIC ACID.....61(Vol 2)
VALERONITRILE.....37(Vol 2)
VANILLIN.....15(Vol 3)
VINYL ACETATE.....248(Vol 1)
VINYL BROMIDE.....81(Vol 1)
VINYL CHLORIDE.....82(Vol 1)
VINYL FLUORIDE.....90(Vol 1)
VINYL FORMATE.....145(Vol 1)
VINYL PROPIONATE.....32(Vol 2)
VINYLACETONITRILE.....228(Vol 1)
VINYLACETYLENE.....215(Vol 1)
VINYLCYCLOHEXENE.....36(Vol 3)
m-XYLENE.....18(Vol 3)
o-XYLENE.....19(Vol 3)
p-XYLENE.....20(Vol 3)
2,3-XYLENOL.....25(Vol 3)
2,4-XYLENOL.....26(Vol 3)
2,5-XYLENOL.....27(Vol 3)
2,6-XYLENOL.....28(Vol 3)
3,4-XYLENOL.....29(Vol 3)
3,5-XYLENOL.....30(Vol 3)