

## INDEX OF ABBREVIATIONS

AAS	acrylonitrile, acrylate (ester), styrene copolymer
ABA	acrylonitrile, butadiene, acrylate
ABR	acrylate, butadiene rubber
ABS	acrylonitrile, butadiene, styrene copolymer
ACRYLICS	copolymer of methacrylic and acrylic monomers
ACS	acrylonitrile, chlorinated polyethylene, styrene terpolymer
AMA	acrylate, maleic anhydride terpolymer
AMMA	acrylonitrile, methyl methacrylate
APO	amorphous polyolefin
APES	$\gamma$ -aminopropyltriethoxysilane
APTS	3-aminopropyltriethoxysilane
AS	acrylonitrile, styrene copolymer
ASA	acrylonitrile, styrene acrylate
BMC	bulk molding compound
BMI	bismaleimide
CA	cellulose acetate
CAB	cellulose acetate butyrate
CAP	cellulose acetate propionate
CN	cellulose nitrate (celluloid)
COC	cycloolefin copolymer
COP	copolyester thermoplastic elastomer
CPE	chlorinated polyethylene
CPVC	chlorinated polyvinyl chloride
CR	chloroprene, chlorinated rubber
CSM	chlorosulfonated polyethylene
CTA	cellulose triacetate
CTFE	chlorotrifluoroethylene
DAP	diallyl phthalate (thermoset)
EAA	ethylene acrylic acid copolymer
EC	ethyl cellulose
ECTFE	ethylene chlorotrifluoroethylene
EEA	ethylene, ethyl acetate copolymer
EMAC	ethylene, methyl acrylate copolymer
EnBA	ethylene, n-butyl acetate
EP	epoxy
EPDM	ethylene, propylene diene monomer rubber
EPM	ethylene, propylene copolymer rubber
EPR	ethylene, propylene rubber
EPS	expandable polystyrene
ES	epoxy silane
ETFE	ethylene tetrafluoroethylene
EVA	ethylene, vinyl acetate
E/VAC	ethylene, vinyl acetate copolymer
EVOH	ethylene, vinyl alcohol

FEP	fluorinated ethylene propylene
FRP	fiber reinforced plastic
HDPE	high density polyethylene
HIPS	high impact polystyrene
HMC	high strength molding compound
HMWHDPE	high molecular weight high density polyethylene
I	ionomer
IIR	isobutene, isoprene rubber or butyl rubber
IPN	interpenetrating polymer network
LCP	liquid crystal polymer
LDPE	low density polyethylene
LLDPE	linear low density polyethylene
LPE	linear polyethylene
MA	maleic anhydride
MABS	methyl methacrylate, ABS copolymer
MAS	methyl methacrylate, acrylonitrile, styrene copolymer
MBS	methyl methacrylate, butadiene, styrene copolymer
MDPE	medium density polyethylene
MF	melamine formaldehyde
MP	melamine phenolic
NBR	nitrile, butadiene rubber
NR	natural rubber
OMCTS	octamethylcyclotrioxysiloxane
OSA	olefin modified styrene acrylonitrile
P	phenolic
PA	polyamide (nylon)
PAA	polyacrylic acid
PAI	polyamide-imide
PAEK	polyaryletherketone
PAK	polyester alkyd
PAL	polyaniline
PAN	polyacrylonitrile
PANI	polyaniline
PAr	polyarylate
PARA	polyaryl amide
PARS	polyaryloxysiloxane
PAS	polyarylsulfone
PB	polybutylene
PBAN	polybutadiene acrylonitrile
PBD	polybutadiene
PBG	polybutyleneglycol
PBI	polybenzimidazole
PBN	polybutylene naphthalate
PBS	polybutadiene styrene

PBT	polybutylene terephthalate
PC	polycarbonate
PC/ABS	polycarbonate/acrylonitrile butadiene styrene blend
PCL	polycaprolactone
PCT	polycyclohexylene terephthalate
PCTFE	polymonochlorotrifluoroethylene
PDMS	polydimethylsiloxane
PE	polyethylene
PEA	polyethylacrylate
PEBA	polyether block amide or polyester block amide
PEC	polyestercarbonate
PEEK	polyetheretherketone
PEG	polyethyleneglycol
PEI	polyetherimide
PEK	polyetherketone
PEKK	polyetherketoneketone
PEN	polyethylene naphthalene
PEO	polyethylene oxide
PES	polyethersulfone
PET	polyethylene terephthalate
PET-G	glycol modified polyethylene terephthalate
PFA	perfluoroalkoxy
PI	polyimide
PI	polyisoprene
PIB	polyisobutylene
PIR	polyisocyanurate
PMAN	polymethacrylonitrile
PMMA	polymethylmethacrylate
PMP	polymethylpentene
PO	polyolefin
POM	polyoxymethylene
PP	polypropylene
PPA	polyphthalamide
PPC	chlorinated polypropylene
PPC	polyphthalate carbonate
PPE	polyphenylene ether
PPI	polymeric polyisocyanate
PPO	polyphenylene oxide
PPOX	polypropylene oxide
PPS	polyphenylene sulfide
PPSU	polyphenylene sulfone
PPT	polypropylene terephthalate
PS	polystyrene
PSF	polysulfone, also PSO, PSU, PSUL
PSO, PSU	polysulfone
PTFE	polytetrafluoroethylene
PTMT	polytetramethylene terephthalate
PU, PUR	polyurethane
PVA	polyvinyl alcohol
PVAc	polyvinyl acetate
PVB	polyvinyl butyryl

PVC	polyvinyl chloride
PVCA	polyvinyl chloride acetate
PVDA	polyvinylidene acetate
PVDC	polyvinylidene chloride
PVDF	polyvinylidene fluoride
PVF	polyvinyl fluoride
PVK	polyvinyl carbazole
PVOH	polyvinyl alcohol
PVP	polyvinyl pyrrolidone
SAN	styrene, acrylonitrile
SB	styrene, butadiene
SBR	styrene, butadiene rubber
SBS	styrene, butadiene, styrene block copolymer
SEBS	styrene, ethylene, butylene, styrene block copolymer
SI	silicone
SIS	styrene, isoprene, styrene block copolymer
SMA	styrene, maleic anhydride copolymer
SMC	sheet molding compound
SMMA	styrene, methyl methacrylate
SVA	styrene, vinyl, acrylonitrile
TEO	thermoplastic elastic olefin
TESPT	bis-triethoxysilylpropyl-tetrasulfone
TOAB	tetraoctylammonium bromide
TPE	thermoplastic elastomer
TPO	thermoplastic elastomer-olefinic
TPE-S	thermoplastic elastomer-styrenic
TPU	thermoplastic polyurethane
UF	urea formaldehyde
UHDPE	ultrahigh density polyethylene
ULDPE	ultra low density polyethylene
UP, UPE	unsaturated polyester (thermoset)
VA	vinyl acetate
VAE	vinyl acetate, ethylene
VLDPE	very low density polyethylene