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## ABREVIATIONS

The following is a partial list of abbreviations for chemical, marketing, scientific, and technical terms that are frequently used by writers of articles in modern plastics encyclopedia. Due to changing standards of chemical nomenclature, certain products listed here may be seen in other formats with some variation in the name.

AAGR	average annual growth rate
AS	atomic absorption spectroscopy
ABA	acrylonitrile – butadiene – acrylate
ABS	acrylonitrile – butadiene – styrene copolymer
ACM	acrylic acid ester rubber
ACS	acrylonitrile – chlorinated PE – styrene
AES	acrylonitrile – ethylene – propylene –styrene
AMMA	acrylonitrile – methyl methacrylate
AN	acrylonitrile
AO	antioxidant
APET	amorphous polyethylene terephthalate
APP	atactic polypropylene
ASA	acrylic – styrene – acrylonitrile
ASTM	American Society for testing and materials
ATH	aluminum trihydrate
AZ(O)	azodicarbonamide
BATF	Bureau of alcohol, tobacco and firearms
BM	Blow molding
BMC	bulk molding compounds
BMI	bismaleimide
BO	biaxially – oriented (film)
BOPP	biaxially – oriented polypropylene
BR	butadiene rubber
BS	butadiene styrene rubber
CA	cellulose acetate
CAB	cellulose acetate butyrate
CAD	computer aided design
CAE	computer aided engineering
CAM	computer aided manufacturing
CAP	cellulose acetate propionate
CAP	controlled atmosphere packaging
CBA	chemical blowing agent
CF	cresol formaldehyde
CFA	chemical foaming agent
CFC	chlorofluorocarbons
CFR	code of federal regulations
CHDM	cyclohexanedimethanol
CIM	computer integrated manufacturing
CN	cellulose nitrate
COP	copolyester
COPA	copolyamide
COPE	copolyester
CP	cellulose propionate
CPE	chlorinated polyethylene
CPET	crystalline polyethylene terephthalate
CPP	cast polypropylene
CPVC	chlorinated polyvinyl chloride
CR	chloroprene rubber
CS	casein

CSD carbonated soft drink  
CTA cellulose triacetate  
CVD chemical vapor deposition  
DABCO diazobicyclooctane  
DAM days after manufacture  
DAM diallyl maleate  
DAP diallyl phthalate  
DCPD dicyclopentadiene  
DE diatomaceous earth  
DEA dielectric analysis  
DETDA diethyltoluenediamine  
DMA dynamic mechanical analysis  
DSC differential scanning analysis  
DMT dimethyl ester of terephthalate  
DWV drain, waste, vent (pipe grade)  
EAA ethylene acrylic acid  
EB electron beam  
EBA ethylene butyl acrylate  
EC ethyl cellulose  
ECTFE ethylene – chlorotrifluoroethylene copolymer  
EEA ethylene – ethyl acrylate  
EG ethylene glycol  
EMA ethylene methyl acrylate  
EMAA ethylene methacrylic acid  
EMAC ethylene methyl acrylate copolymer  
EMC electromagnetic compatibility  
EMI electromagnetic interference  
EMPP elastomer modified polypropylene  
EnBA ethylene normal butyl acrylate  
EP epoxy resin, also ethylene – propylene  
EPA environmental Protection Agency  
EPDM ethylene – propylene terpolymer rubber  
EPM ethylene – propylene rubber  
EPS expandable polystyrene  
ESCR environmental stress crack resistance  
ESI ethylene – styrene copolymers  
ETE engineering thermoplastic elastomer  
ETFE ethylene tetrafluoroethylene copolymer  
ETP engineering thermoplastics  
EVA (C) polyethylene – vinyl acetate  
EVOH polyethylene – vinyl alcohol copolymer  
FDA Food and Drug Administration  
FEP fluorinated ethylene propylene copolymer  
FPVC flexible polyvinyl chloride  
FR flame retardant  
FRP fiber reinforced plastic  
GIM gas injection molding  
GIT gas injection technique  
GMT (P) glass mat reinforced thermoplastics  
GPC gel permeation chromatography  
GPPS general-purpose polystyrene  
GRP glass fiber reinforced plastics  
GTP group transfer polymerization  
HALS hindered amine light stabilizer  
HAS hindered amine stabilizers  
HB Brinell hardness number  
HCFC hydro chlorofluorocarbons  
HCR heat – cured rubber

HDI hexamethylene diisocyanate  
HDPE high – density – polyethylene  
HDT heat deflection temperature  
HFC hydro fluorocarbons  
HIPS high – impact polystyrene  
HMDI diisocyanato dicyclohexymethane  
HMW high molecular weight  
HNP high nitrile polymer  
IM injection molding  
IMC in – mold coating  
IMD in – mold decoration  
IPI Isopharone diisocyanate  
IV intrinsic viscosity  
LCP liquid crystal polymers  
LIM liquid injection molding  
LDPE low – density polyethylene  
LLDPE linear low – density polyethylene  
LP low – profile resin  
MAP modified atmosphere packaging  
MbOCA 3,3 ‘ – dichloro / 4,4’ – diamino – diphenylmethane  
MBS methacrylate – butadiene – styrene  
MC methyl – Cellulose  
MDI methylene diphenylene diisocyanate  
MEKP methyl ethyl ketone peroxide  
MF melamine formaldehyde  
MFI melt flow index  
MIS management information systems  
MMA methyl methacrylate  
MPE misallocate polyethylene  
MPF melamine – phenol – formaldehyde  
MPR melt – processable rubber  
MRP manufacturing requirement planning  
MWD molecular weight distribution  
NBR nitrile rubber  
NDI naphthalene diisocyanate  
NDT nondestructive testing  
NR natural rubber  
ODP ozone depleting potential  
OFS organofunctional silanes  
OPET oriented polyethylene terephthalate  
OPP oriented polypropylene  
O-TPV olefinic thermoplastic vulcanizate  
OEM original equipment manufacturer  
OSA olefin – modified styrene – acrylonitrile  
PA polyamide  
PAEK polyaryletherketone  
PAI polyamide imide  
PAN Polyacrylonitrile  
PB polybutylene  
PBA physical blowing agent  
PBAN polybutadiene – acrylonitrile  
PBI polybenzimidazole  
PBN polybutylene naphthalate  
PBS polybutadiene styrene  
PBT polybutylene terephthalate  
PC Polycarbonate  
PCC precipitated calcium carbonate  
PCD polycarbodimide

PCR post – consumer recycle  
PCT polycyclohexylenedimethylene terephthalate  
PCTA copolyester of CHDM and PTA  
PCTFE polychlorofluoroethylene  
PCTG glycol – modified PCT copolymer  
PE polyethylene  
PEBA polyether block polyamide  
PEC chlorinated polyethylene  
PEDT 3,4 – polyethylene dioxithiophene  
PEEK polyetheretherketone  
PEI polyether imide  
PEK polyetherketone  
PEL permissible exposure level  
PEKEK polyetherketoneetherketoneketone  
PEN polyethylene naphthalate  
PES polyether sulfone  
PET polyethylene terephthalate  
PETG PET modified with CHDM  
PF phenol formaldehyde  
PFA perfluoroalkoxy resin  
PI polyimide  
PID proportional, integral, derivative  
PIBI butyl rubber  
PIM powder injection molding  
PLC programmable logic controller  
PMDI polymeric methylene diphenylene diisocyanate  
PMMA polymethyl methacrylate  
PMP polymethylpentene  
PO polyolefins  
POM polyacetal  
PP polypropylene  
PPA polyphthalamide  
PPC chlorinated polypropylene  
PPE polyphenylene ether modified  
PPM parts per million  
PPO polyphenylene oxide  
PPS polyphenylene sulfide  
PPSU polyphenylene sulfone  
PS polystyrene  
PSU polysulfone  
PTA purified terephthalic acid  
PTFE polytetrafluoroethylene  
PU polyurethane  
PUR polyurethane  
PVC polyvinyl chloride  
PVCA polyvinyl chloride acetate  
PVDA polyvinylidene acetate  
PVDC polyvinylidene chloride  
PVDF polyvinylidene fluoride  
PVF polyvinyl fluoride  
PVOH polyvinyl alcohol  
QMC quick mold change  
RFI radio frequency interference  
RHDPE recycled high – density polyethylene  
RIM reaction injection molding  
RPET recycled polyethylene terephthalate  
RTD resistance temperature detector  
RTM resin transfer molding

RTV room temperature vulcanizing  
SI silicone plastic  
SAN styrene acrylonitrile copolymer  
SB styrene butadiene copolymer  
SBC styrene block copolymer  
SBR styrene butadiene rubber  
SMA styrene maleic anhydride  
SMC sheet molding compound  
SMC-C SMC continuous fibers  
SMC-D SMC directionally oriented  
SMC-R SMC randomly oriented  
SPC statistical process control  
SQC statistical quality control  
SRIM structural reaction injection molding  
TA terephthalic acid  
TDI toluene diisocyanate  
TEO thermoplastic elastomeric olefin  
TGA thermo gravimetric analysis  
TLCP thermoplastic liquid crystal polymer  
TMA thermo mechanical analysis  
TMC thick molding compound  
T/N terephthalate/naphthalate  
TPA terephthalic acid  
TP thermoplastic  
TPE thermoplastic elastomer  
TPO thermoplastic olefins  
TPU thermoplastic polyurethane  
TPV thermoplastic vulcanizate  
TS thermo set  
TWA time – weighted average  
UF urea formaldehyde  
UHMW ultrahigh molecular weight  
ULDPE ultra low – density polyethylene  
UP unsaturated polyester resin  
UR urethane  
UV ultraviolet  
VA (C) vinyl acetate  
VC vinyl chloride  
VDC vinylidene chloride  
VLDPE very low – density polyethylene  
VOC volatile organic compounds  
ZNC Ziegler – Natta catalyst