

Injection Moulding Materials

inoplas technology

Common polymer abbreviations and material names

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SYMBOL	LONG NAME
ABS	Acrylonitrile Butadiene Styrene
ABS + Acrylic	Acrylonitrile Butadiene Styrene + Acrylic Alloy
ABS + PA	Acrylonitrile Butadiene Styrene + Polyamide Alloy
ABS + PBT	Acrylonitrile Butadiene Styrene + PBT Alloy
ABS + PC	Acrylonitrile Butadiene Styrene + PC Alloy
ABS + PVC	Acrylonitrile Butadiene Styrene + PVC Alloy
ABS + TPU	Acrylonitrile Butadiene Styrene + TPU Alloy
POM Copolymer Alloy	Polyoxymethylene (Acetal) Copolymer Alloy
POM Copolymer	Polyoxymethylene (Acetal) Copolymer
POM Homopolymer	Polyoxymethylene (Acetal) Homopolymer
Acrylic	Acrylic
Acrylic (PMMA)	Polymethyl Methacrylate
Acrylic (SMMA)	Styrene Methyl Methacrylate Copolymer
Acrylic + PC	Acrylic (PMMA) + Polycarbonate
Acrylic + PVC	Acrylic + Polyvinyl Chloride Alloy
SAN	Styrene Acrylonitrile Copolymer
ASA	Acrylonitrile Styrene Acrylate
ASA + AES	Acrylonitrile Styrene Acrylate + AES Alloy
ASA + PC	Acrylonitrile Styrene Acrylate + PC Alloy
ASA + PVC	Acrylonitrile Styrene Acrylate + PVC Alloy
Biodeg Syn Poly	Biodegradable Synthetic Polymers
CA	Cellulose Acetate
CAB	Cellulose Acetate Butyrate
CPVC	Polyvinyl Chloride, Chlorinated
DAP	Diallyl Phthalate
ECTFE	Ethylene Chlorotrifluoroethylene Copolymer
EEA	Ethylene Ethyl Acrylate Copolymer

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SYMBOL	LONG NAME
EPM	Ethylene Propylene Copolymer
Epoxy	Epoxy; Epoxide
ETFE	Ethylene Tetrafluoroethylene Copolymer
ETPU	Thermoplastic Polyurethane (Engineering Grade)
EVA	Ethylene Vinyl Acetate
FEP	Fluorinated Ethylene Propylene
Fluoroelastomer	Fluoroelastomer
Fluoro Si	Fluorosilicone
Fluorosilicone	Fluorosilicone
HDPE	Polyethylene, High Density
HDPE Copolymer	Polyethylene, High Density Copolymer
HMW-HDPE	High Molecular Weight High-Density Polyethylene
HMWPE	Polyethylene, High Molecular Weight
Ionomer	Ionomer
LCP	Liquid Crystal Polymer
LDPE	Polyethylene, Low Density
LLDPE	Polyethylene, Linear Low Density
LMDE	Polyethylene, Linear Medium Density
MABS	Methyl Methacrylate/ ABS
MBS	Methyl Methacrylate Butadiene Styrene Terpolymer
MDPE	Polyethylene, Medium Density
Mel Formald	Melamine Formaldehyde
Mel Phenolic	Melamine Phenolic
Nylon	Polyamide
Nylon 4/6	Polyamide 46
Nylon 6	Polyamide 6
Nylon 6 Alloy	Polyamide 6 Alloy

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SYMBOL	LONG NAME
Nylon 6/6	Polyamide 66
Nylon 6/6 Alloy	Polyamide 6/6 Alloy
Nylon 6/6T	Polyamide 6/6T Copolymer
Nylon 6/10	Polyamide 610
Nylon 6/12	Polyamide 612
Nylon 66/6	Polyamide 66/6 Copolymer
Nylon 11	Polyamide 11
Nylon 12	Polyamide 12
Nylon 12 Elast	Polyamide 12 Elastomer
Nylon MXD6	Polyamide MXD6
Nylon + PP	Polyamide + Polypropylene Blend
Nylon + PPE	Polyamide + Polyphenylene Ether Alloy
PAEK	Polyaryletherketone
PAI	Polyamide-imide
PAO	Polyalphaolefin
PBT	Polybutylene Terephthalate
PBT Alloy	Polybutylene Terephthalate + Unspecified Alloy
PBT + ASA	Polybutylene Terephthalate + ASA
PBT + PET	Polybutylene Terephthalate + PET Alloy
PC	Polycarbonate
PC Alloy	Polycarbonate Alloy
PC + Acrylic	Polycarbonate + Acrylic Alloy
PC + PBT	Polycarbonate + Polybutylene Terephthalate
PC + PET	Polycarbonate + Polyethylene Terephthalate
PC + Polyester	Polycarbonate + Polyester Alloy
PC + Styrenic	Polycarbonate + Styrenic Alloy

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SYMBOL	LONG NAME
PCL	Polycaprolactone
PCT	Polycyclohexylene Dimethylene Terephthalate
PCTA	Polycyclohexylene Dimethylene Terephthalate, Acid-modified
PCTG	Polycyclohexylene Dimethylene Terephthalate, Glycol-modified
PE	Polyethylene
PEBA	Polyether Block Amide
PEEK	Polyetheretherketone
PEI	Polyetherimide
PEI + PCE	Polyetherimide + Polycarbonate Ester Alloy
PEI + Silicone	Polyetherimide + Silicone Alloy
PESU	Polyethersulfone
PET	Polyethylene Terephthalate
PETG	Glycol-modified Polyethylene Terephthalate
PFA	Perfluoroalkoxy Copolymer
Phenolic	Phenolic
PI (TP)	Polyimide (Thermoplastic)
PK	Polyketone (Aliphatic)
Plastomer	Plastomer, Ethylene - based
PMP	Polymethylpentene
PMP Copolymer	Polymethylpentene Copolymer
Polyarylate	Polyarylate
Polyester Alloy	Polyester + Unspecified Alloy
Polyester, TP	Polyester, Thermoplastic
Polyester, TS	Polyester, Thermoset
Polyolefin	Polyolefin
SIS	Styrene Isoprene Styrene Block Copolymer
SMA	Styrene Maleic Anhydride

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SYMBOL	LONG NAME
SVA	Styrenic + Vinyl + Acrylonitrile Alloy
TPE	Thermoplastic Elastomer
TPU	Thermoplastic Polyurethane Elastomer
TPU - Ester / Ether	Thermoplastic Polyurethane Elastomer (Ester / Ether)
TPU - PC	Thermoplastic Polyurethane Elastomer (PC Based)
TPU - Polyester	Thermoplastic Polyurethane Elastomer (Polyester)
TPU - Polyether	Thermoplastic Polyurethane Elastomer (Polyether)
TPV	Thermoplastic Vulcanizate
Urea Compound	Urea Compound
Urea Formald	Urea Formaldehyde
Vinyl Ester	Vinyl Ester
EMA	Ethylene Methyl Acrylate
Nylon 6/3T	Polyamide 6/3T Copolymer
PC + TPU	Polycarbonate + Polyurethane Elastomer Alloy
SPS	Syndiotactic Polystyrene