

PLASTIC RESIN PRODUCT

ABBREVIATIONS FOR THE PLASTICS

Injection molding is a manufacturing process where plastic is forced into a mold cavity under pressure. A mold cavity is essentially a negative of the part being produced. The cavity is filled with plastic, and the plastic changes phase to a solid, resulting in a positive. Typically injection pressures range from 5000 to 20,000 psi. Because of the high pressures involved, the mold must be clamped shut during injection and cooling. Clamping forces are measured in tons.

AAS	Methacrylate-acrylic-styren	PEEK	Polyaryletherketone
ABS	Acrylonitrile-butadiene-styrene	PEI	Polyetherimide
ACM	Acrylic acid ester rubber	PEO, PEOX	Polyethylene oxide
ADC	Allyl diglycol carbonate	PEPA	Polyester block amides

AES	Acrylonitrile-ethylene- propylene-styrene	PEP	Polyethylene-propylene
AMMA	Acrylonitrile-methyl methacrylate	PES	Polyester sulphone
ANM	Acrylic acid ester rubber	PET, PETP	Polyethylene terephthalate
APP	Atactic polypropylene	PETG	Polyethylene terephthalate, glycol comonomer
ASA	Acrylonitrile-styrene-acrylic ester	PF	Phenol formaldehyde
AXS	Acrylonitrile-styrene- terpolymers	PFA	Perfluoro alkoxy alkaline
BR	Cis-1, 4-polybutadiene rubber	PFEP	Polytetrafluorethylene-perfluoro-propylene
BS	Butadiene-styrene rubber	PFF	Phenol-furfural
CA	Cellulose acetate	PI	Polyimide
CAB	Cellulose acetate-butyrate	PIB	Polyisobutylene
CAP	Celluose acetate propionate	PIBI	Butyl rubber

CF	Cresol formaldehyde	PIR	Polyisocyanate
CHR	Epichlorhydrine	PMCA	Polymethyl - chloroacrylate
CMC	Carboxymethyl cellulose	PMI	Polymethacryloimide
CN	Cellulose nitrate	PMP	Poly- 4 -methylpentene-1
CP	Cellulose propionate	POM	Polyoxymethylene, polyacetal
CPE	Chlorinated polyethylene (correctly:PEC)	PP	Polypropylene
CPVC	Chlorinated polyvinylchloride (correctly:PVCC)	PPC	Chlorinated polypropylene
CR	Chloroprene rubber	PPMS	Polyparamethylstyrene
CS	Casein	PPO(S)	Polyphenylene oxide (styrene)
CSM	Chlorosulfonated polyethylene	PPOX	Polypropylene oxide
CTA	Cellulose triacetate	PPS	Polyphenylene sulfide
DAP	Diallyl phthalate	PPSU	Polyphenylene sulfone

EC	Ethyl cellulose	PS	Polystyrene
ECB	Ethylene-cop-bitumen	PSB	Styrene butadiene rubber
ECTFE	Ethylene-chlorotrifluoro- ethylene	PSU	Polysulfone
EEA	Ethylene-ethylacrylate	PTFE	Polytetrafluorethylene
EMA	Ethylene-methacrylic acid	PTP	Polyterephthalates
EP	Epoxy epoxide	PUR	Polyurethane
EPDM	Ethylene-propylene teropolymer rubber	PVAC	Polyvinyl acetate
EPM	Ethylene-propylene rubber	PVAL	Polyvinyl alcohol
EPS	Expanded polystyrene	PVB	Polyvinyl butyral
ETFE	Ethylene-tetrafluroethylene	PVC	Polyvinyl chloride
EVA, EVAC	Ethylene-vinyl acetate	PVCA	Polyvinyl chloride-acetate
FEP	Perfluoro ethylene-propylene	PVCC	Chlorinated polyvinyl chloride

FF	Furan formaldehyde	PVDC	Polyvinylidene chloride
GR-I	Butyl rubber	PVDF	Polyvinylidene fluoride
GR-N	Nitrile rubber	PVFM	Polyvinyl formal
GR-S	Styrene-butadiene rubber	PVK	Polyvinyl carbazole
IIR	Butyl rubber	PVP	Polyvinyl pyrrolidone
IPDI	Isophorone diisocyanate	RF	Resorcin formaldehyde
IR	Cis-1, 4-polyisoprene rubber	SAN	Styrene-acrylonitrile
MBS	Methylmethacrylate- butadiene- styrene	SB	Styrene-butadiene
MC	Methyl cellulose	SBR	Styrene-butadiene rubber
MDI	Diphenylmethane diisocyanate	SI	Silicone plastics
MF	Melamine formaldehyde	Si	Silicone rubber
MMA	Methylmethacrylate	SMA	Styrene-maleic anhydride

MPF	Melamine-phenol- formaldehyde	SMS	Styrene - methylstyrene
NBR	Nitrile rubber	SRP	Styrene-rubber-plastics
NC	Cellulose nitrate	TAC	Triallylcyanurate
NR	Natural rubber	TFA	Fluor-alkoxy-terpolymer
PA	Polyamide (nylon)	TDI	Toluy diisocyanate
PAA	Polyacrylic acid	TMDI	Trimethyl-hexamethylene diisocyanate
PAI	Poly-amideimide	TPU	Thermoplastic polyurethane
PAK	Polyester alkyd	TPX	Polymethylpentene
PAN	Polyacrylonitrile	UF	Urea formaldehyde
PB	Polybutene-1	UP	Unsaturated polyester
PBAN	Polybutadiene-acrylonitrile	VAC	Vinyl acetate
PBS	Polybutadiene-styrene	VC	Vinyl chloride

PBTP	Polybutylene therephthalate	VCE	Vinyl chloride-ethylene
PC	Polycarbonate	VCEVA	Vinyl chloride-ethylene- vinyl acetate
PCD	Polycarbodiimide	VCOA	Vinyl chloride-octylacrylate
PCTFE	Polymonochlorotri fluoroethylene	VCVAC	Vinyl chloride-vinyl acetate
PDAP	Polydiallyl phthalate	VCVDL	Vinyl chloride-vinylidene chloride
PE	Polyethylene	VF	Vulcanized fibre
PEC	Chlorinated polyethylene		

Note:document from Best times mould & plastic products technology Ltd.