

Chemical Resistance Chart For Plastics

Material	Formula	Acids - concentrated	Acids -diluted	Alcohols	Alkalis	Aromatic Hydrocarbons	Greases and Oils	Halogenated Hydrocarbons	Halogens	Ketones
Cellulose Acetate Butyrate	CAB	-	Fair-Poor	Poor	Fair-Poor	Poor	Good-Poor	Poor	Poor	Poor
Ethylene-Chlorotrifluoroethylene copolymer	E-CTFE	Good	Good	Good	Good	Good	Good	Good-Fair	Good	Good
Ethylene-Tetrafluoroethylene Copolymer	ETFE	Good	Good	Good	Good	Good	Good	Good	Good	Good
Fluorinated Ethylene Propylene Copolymer	FEP	Good	Good	Good	Good	Good	Good	Good	Good	Good
Polyacrylonitrile-butadiene-styrene	ABS	Good-Poor	Good	Good-Poor	Good	Poor	Good	Poor	Poor	Poor
Polyamide - Nylon 6	PA 6	Poor	Poor	Good	Good-Fair	Good	Good	Good-Poor	Poor	Good
Polyamide - Nylon 6, 6	PA 6,6	Poor	Poor	Good	Good-Fair	Good	Good	Good-Poor	Poor	Good
Polyamide - Nylon 6, 6 - 30% Carbon Fiber Reinforced	PA 6, 6 - 30% CFR	Poor	Poor	Good	Good-Fair	Good	Good	Good-Poor	Poor	Good-Poor
Polyamide - Nylon 6, 6 - 30% Glass Fiber Reinforced	PA 6,6 30% GFR	Poor	Poor	Good	Good-Fair	Good	Good	Good-Poor	Poor	Good-Poor
Polyamide - Nylon 12	PA 12	Poor	Fair-Poor	Fair	Good-Fair	Good	Good	Good-Poor	Poor	Good-Fair
Polyamide/imide	PAI	Fair-Poor	Fair	Good-Poor	Poor	Good	Good	Good-Poor	Good-Poor	Good
Polybenzimidazole	PBI	Poor	Fair-Poor	Good	Good-Poor	Good	Good	Good	-	Good
Polybutylene terephthalate	PBT	Good-Poor	Good	Good	Fair	Good	Good	Good-Poor	Poor	Good-Poor
Polybutylene terephthalate - 30% Glass Fiber Reinforced	PBT 30% GFR	Good-Poor	Good	Good	Fair	Good	Good	Good-Poor	Poor	Good-Poor
Polycarbonate	PC	Good	Good	Good	Good-Poor	Poor	Good-Fair	Good-Poor	Poor	Poor
Polycarbonate - 30% Carbon Fiber Reinforced	PC - 30% CFR	Fair	Good	Good	Poor	Poor	Good	-	Poor	Poor
Polycarbonate - 30% Glass Fiber Filled	PC - 30% GFR	Fair	Good	Good	Poor	Poor	Good	-	Poor	Poor
Polychlorotrifluoroethylene	PCTFE	Good	Good	Good	Good	Good	Good	-	Good	Good
Polyetheretherketone	PEEK	Good-Poor	Good	Good	Good	Good	Good	Good	Good-Poor	Good-Poor
Polyetherimide	PEI	Good(-Fair?)	Good	Good	Good-Poor	Poor	Good	Good-Poor	-	Poor
Polyethersulfone	PES	Good-Poor	Good	Good	Good	Good	Good-Fair	Good	Fair-Poor	Good
Polyethylene - Carbon filled	PE	Fair	Good	Good	-	-	-	-	-	Fair
Polyethylene - High density	HDPE	Good-Fair	Good	Good	Good	Fair	Good-Fair	Fair-Poor	Fair-Poor	Good-Fair
Polyethylene - Low Density	LDPE	Good-Fair	Good	Good	Good	Fair-Poor	Good-Fair	Fair-Poor	Fair-Poor	Good-Fair
Polyethylene - U.H.M.W.	UHMW PE	Good-Fair	Good	Good	Good	Fair	Good-Fair	Fair-Poor	Fair-Poor	Good-Fair
Polyethylene terephthalate	Polyester, PET, PETP	Good-Poor	Good	Good	Poor	Good-Fair	Good	Good-Poor	Fair-Poor	Good-Fair
Polyimide	PI	Poor	Fair	Poor	Poor	Good	Good	Good	Fair	Good
Polymethylmethacrylate	PMMA, Acrylic	Good-Poor	Good-Poor	Good-Poor	Good	Poor	Good	Poor	Poor	Poor
Polymethylpentene	TPX®	Good-Fair	Good	Good	Good	Fair-Poor	Good-Fair	Fair-Poor	Fair-Poor	Good-Fair
Polyoxymethylene - Copolymer	Acetal - Copolymer POMC	Poor	Good-Fair	Good-Fair	Good	Good	Good	Good-Poor	Poor	Good - Fair
Polyoxymethylene - Homopolymer	Acetal - Homopolymer POMH	Poor	Poor -Fair	Good-Fair	Poor	Good	Good	Good-Poor(?)	Poor	Good - Fair
Polyphenyleneoxide	PPO (modified), PPE (modified)	Good-Fair	Good	Good	Good	Poor	Good-Poor	Fair-Poor	Poor	Poor
Polyphenyleneoxide (modified), 30% Glass Fiber Reinforced	PPO 30% GFR	Good-Fair	Good	Good	Good	Poor	Good-Poor	Fair-Poor	Poor	Poor
Polyphenylenesulfide -40% Glass Fiber Reinforced	PPS - 40% GFR	Good-Poor	Good	Good	Good	Good	Good	Good-Poor	Good-Poor	Good
Polypropylene	PP	Good-Fair	Good-Fair	Good	Good	Fair	Good-Fair	Good-Poor	Poor	Good
Polystyrene	PS	Fair-Poor	Good-Fair	Good-Fair	Good-Fair	Poor	Good-Poor	Poor	Poor	Poor
Polystyrene - Cross-linked	PS - X - Linked	Fair-Poor	Good(-Fair?)	Good(-Fair?)	Good-Fair	Poor	Fair-Poor	Poor	Poor	Poor
Polysulphone	PSu	Fair	Good	Good	Good	Fair	Good	-	Good	Poor
Polytetrafluoroethylene	PTFE	Good	Good	Good	Good	Good	Good	Good	Good	Good
Polytetrafluoroethylene filled with Glass	PTFE 25% GF	Poor	Good	Good	Good	Good-Fair	Good	Good	Good	Good
Polyvinylchloride - Unplasticized	UPVC	Good-Poor	Good	Good	Good	Good	Good	Fair-Poor	Fair	Poor
Polyvinylidenechloride	PVDC	Good-Fair	Good	Good	Good	Fair	Good	-	-	Fair
Polyvinylidene fluoride	PVDF	Good	Good	Good	Fair	Good	Good	Good-Fair	Good-Poor	-
Silicone Elastomer	MQ /VNQ /PMQ /PVMQ	Good-Poor	Good- Poor	Good- Fair	Good- Fair	Poor	Good-Poor	Poor	Poor	Poor
Tetrafluoroethylene- perfluoro (Alkoxy Vinyl Ether) Copolymer	PFA. Teflon PFA.	Excellent	Excellent	Excellent	Excellent	-	Excellent	Excellent	Excellent	Excellent

* All information and technical data are given as a guide only. Although every effort has been made to ensure that the information is correct, no warranty is given as to its completeness