

Chemical Resistance

Product Family	Aliphatic Hydrocarbons	Aromatic Hydrocarbons	Oils, Fats, Waxes	Fully Halogenated Hydrocarbons	Halogenated Hydrocarbons	Alcohols Monohydric	Alcohols Polyhydric	Phenols	Ketones	Esters	Ethers	Inorganic Acids		Bases		Salts			Organic Acids		Oxidizing Acids		Sunlight & Weathering
												Conc.	Dilute	Conc.	Dilute	Acid	Neutral	Basic	Conc.	Dilute	Conc.	Dilute	
ABS	Fair	Poor	Good	Poor	Poor	Fair	Good	Poor	Poor	Poor	Poor	Good	Good	Good	Good	Good	Ex	Good	Poor	Fair to Poor	Poor	Good	Fair to Good
FEP	Ex	Ex	Ex	Ex	Good	Ex	Ex	Ex	Ex	Ex	Good	Ex	Ex	Ex	Ex	Ex	Ex	Ex	Good to Ex	Ex	Ex	Ex	Ex
Perfluoroalkoxy (PFA)	Ex	Ex	Ex	Ex	Good	Ex	Ex	Ex	Ex	Ex	Good	Ex	Ex	Ex	Ex	Ex	Ex	Ex	Ex	Ex	Ex	Ex	Ex
Phenolic	Ex	Ex	Ex	Ex	Ex	Good	Ex	Ex	Good	Good	Ex	Fair to Poor	Fair to Good	Poor	Poor	Ex	Ex	Fair	Good	Fair to Poor	Poor	Poor	Good
Acetal	Good	Good	Good	Good	Fair to Good	Good	Good	Poor	Good	Good	Good	Poor	Poor	Poor	Poor	Fair	Good	Good	Poor	Fair	Poor	Poor	Fair to Good
Nylon Polyamide	Good	Fair	Good	Fair	Poor	Good	Good	Poor	Good	Fair	Good	Poor	Good	Good	Ex	Poor	Good	Fair	Poor	Fair	Poor	Poor	Fair to Good
Polybutylene	Good	Good	Good	Poor	Fair	Good	Ex	Good	Good	Good	Good	Ex	Ex	Ex	Ex	Ex	Ex	Good	Ex	Poor	Good	Good	Poor
Polyesters (TP)	Good	Poor to Fair		Poor to Good	Poor	Good to Ex	Ex	Poor	Poor	Poor to Fair	Poor	Good to Fair	Good	Poor	Poor to Fair	Good	Good	Poor to Fair	Poor to Fair	Good	Poor	Fair to Poor	Good
Polyethylene	Fair	Fair	Ex	Poor	Poor	Fair	Good	Ex	Good	Good	Good	Good to Ex	Ex	Good	Good	Ex	Ex	Ex	Ex	Ex	Poor	Good	Poor
Polyphenylene (Noryle)	Good	Good	Ex	Good	Good	Ex	Ex	Good	Good	Good	Ex	Good	Ex	Good	Ex	Ex	Ex	Ex	Good	Ex	Good	Ex	Ex
Polyphenylene Sulfide	Ex	Good		Fair	Poor	Ex	Ex	Good	Good	Ex	Good	Good	Good	Good	Ex	Good	Good	Good	Good	Good	Poor	Fair	Good
Polypropylene	Fair	Fair	Good	Poor	Poor to Fair	Good	Ex	Good	Good	Good	Fair	Ex	Ex	Ex	Ex	Ex	Ex	Ex	Good	Ex	Poor	Good	Poor
Polystyrene	Fair to Poor	Poor	Poor	Poor	Poor	Good	Good	Poor	Poor	Poor	Poor	Fair	Good	Fair	Ex	Good	Ex	Good	Poor	Fair	Poor	Fair	Fair
Polysulfone	Poor	Poor	Fair	Poor	Poor	Poor to Fair	Good	Poor	Poor	Poor	Poor	Good	Good	Good	Ex	Good	Ex	Good	Fair	Good	Poor	Good	Good to Ex
PTFE	Ex	Ex	Ex	Ex	Good	Ex	Ex	Ex	Ex	Ex	Good	Ex	Ex	Ex	Ex	Ex	Ex	Ex	Good to Ex	Ex	Ex	Ex	Ex

For information on specific products chemical resistance contact PennFibre.

Interpretation of Comparative Ratings	
Poor-	the use of the plastic in the presence of the indicated agent is not recommended.
Fair-	the use of the plastic is marginal in these environments and may be considered.
Good-	the use of the plastic is quite acceptable in ordinary exposure to the particular reagent.
Excellent-	the use of the plastic is unaffected by the reagent.