

Thermoplastics and Materials List

Generic Type	Aliphatic Hydro-carbons	Aromatic Hydro-carbons	Oils, Fats, Waxes	Full Halo genated Hydrocarbons	Partly Halo genated Hydrocarbons	Alcohols Mono Hydric	Alcohols PolyHydric	Phenols	Ketones	Esters	Ethers
ABS	Fair	Poor	Good	Poor	Poor	Fair	Good	Poor	Poor	Poor	Poor
Acetal	Good	Good	Good	Good	Fair-Good	Good	Good	Poor	Good	Good	Good
Acrylic	Good	Poor	Good	Poor	Poor	Poor	Good	Good	Poor	Poor	Poor
Polyamide (Nylon)	Good	Fair	Good	Fair	Poor	Good	Good	Poor	Good	Fair	Good
Polycarbonate	Poor-Fair	Poor	Poor-Fair	Good-Fair	Poor	Good	Good	Poor	Poor	Poor	Poor
Polyester	Good	Poor-Fair	Unknown	Poor-Good	Poor	Good-Exc.	Exc.	Poor	Poor	Poor-Fair	Poor
Polyetheretherketone (PEEK®)	Exc.	Fair	Exc.	Fair	Fair	Good	Exc.	Fair-Good	Good	Fair	Good
Polyether Sulfone	Exc.	Poor	Exc.	Poor	Poor	Good	Fair	Poor	Good	Poor	Good
Polyethylene	Fair	Fair	Exc.	Poor	Poor	Fair	Good	Exc.	Good	Good	Good
Polyamideimide	Exc.	Exc.	Exc.	Exc.	Exc.	Exc.	Exc.	Good	Exc.	Exc.	Exc.
Polyphenylene Oxide	Good	Good	Exc.	Good	Good	Exc.	Exc.	Good	Good	Good	Exc.
Polyphenylene Sulfide	Exc.	Good	Unknown	Fair	Poor	Exc.	Exc.	Good	Good	Exc.	Good
Polypropylene	Fair	Fair	Good	Poor	Poor-Fair	Good	Exc.	Good	Good	Good	Fair
Polystyrene	Fair-Poor	Poor	Poor	Poor	Poor	Good	Good	Poor	Poor	Poor	Poor
Polysulfone	Poor	Poor	Fair	Poor	Poor	Poor-Fair	Good	Poor	Poor	Poor	Poor
Polyurethane	Fair	Poor	Good	Poor	Poor	Poor	Fair-Good	Poor	Poor	Poor	Poor
Styrene Acrylonitrile	Good	Poor	Good	Poor	Poor	Fair	Good	Poor	Poor	Poor	Poor



Inorganic Acids (Conc.)	Inorganic Acids (Dilute)	Bases (Conc.)	Bases (Dilute)	Salts (Acid)	Salts (Neutral)	Basic	Organic Acids (Conc.)	Organic Acids (Dilute)	Oxidising Acids (Conc.)	Oxidising Acids (Dilute)	Sunlight & Weathering
Good	Good	Good	Good	Good	Exc.	Good	Poor	Fair-Poor	Poor	Good	Fair-Good
Poor	Poor	Poor	Poor	Fair	Good	Good	Poor	Fair	Poor	Poor	Fair-Good
Poor	Good	Fair-Poor	Good	Good	Good	Good	Poor	Fair	Poor	Fair	Good
Poor	Good	Good	Exc.	Poor	Good	Fair	Poor	Fair	Poor	Poor	Fair-Good
Fair	Good	Poor	Poor	Good	Exc.	Fair	Fair	Fair	Poor	Good	Good
Good-Fair	Good	Poor	Poor-Fair	Good	Good	Poor-Fair	Poor-Fair	Good	Poor	Fair-Poor	Good
Dissolves	Poor	Good	Poor	Good	Good	Good	Fair-Good	Fair-Good	Poor	Exc.	Good
Dissolves	Poor-Good	Good	Poor	Fair	Fair	Fair	Fair-Good	Fair-Good	Dissolves	Fair	Good
Good-Exc.	Exc.	Good	Good	Exc.	Exc.	Exc.	Exc.	Exc.	Poor	Good	Poor
Fair	Good	Poor	Fair	Good	Good	Poor	Good	Exc.	Poor	Good	Exc,
Good	Exc.	Good	Exc.	Exc.	Exc.	Exc.	Good	Exc.	Good	Exc.	Exc.
Good	Good	Good	Exc.	Good	Good	Good	Good	Good	Poor	Fair	Good
Exc.	Exc.	Exc.	Exc.	Exc.	Exc.	Exc.	Good	Exc.	Poor	Good	Poor
Fair	Good	Fair	Exc.	Good	Exc.	Good	Poor	Fair	Poor	Fair	Fair
Good	Good	Good	Exc.	Good	Exc.	Good	Fair	Good	Poor	Good	Good-Exc.
Poor	Fair	Good	Good	Good	Exc.	Exc.	Poor	Fair	Poor	Poor	Fair
Good	Good	Good	Exc.	Good	Exc.	Good	Fair	Good	Poor	Good	Fair