

Properties of Common Thermoplastic Compounds

Resistant To	PVC	LD/PE	HD/PE	Polypropylene	Polyurethane	Nylon	PTFE
Abrasion	F-G	F-G	E	F-G	O	E	G-E
Acid	G-E	G-E	G-E	E	F	P-F	E
Alcohol	G-E	E	E	E	P	P	E
Alkali	G-E	G-E	G-E	E	F	E	E
Benzol, Toluol	P-F	P	P	P-F	P	G	E
Degreaser Solvents	P-F	P	P	P	P	G	E
Electrical	F-G	E	E	E	P-F	P-F	E
Flame	E	P	P	P	P	P	O
Gasoline / Kerosene	P	P-F	P-F	P-F	F-G	G	E
Heat	G-E	G	E	E	G	E	O
Low Temp Flexibility	P-G	G-E	E	P	G	G	O
Nuclear Radiation	P-F	G	G	F	G	F-G	P-F
Oil	F-G	G-E	G-E	G	E	E	O
Oxidation	E	E	E	E	E	E	O
Ozone	E	E	E	E	E	E	E
Water	E	E	E	E	P	P-F	E
Weather / Sun	G-E	E	E	E	F-G	E	O

Properties of Common Thermoset Compounds

Resistant To	SBR	Neoprene	CSPE	NBR	EPR	Silicone	XLP
Abrasion	G-E	G-E	G	G-E	G	F	G-E
Acid	F-G	G	E	G	G-E	F-G	E
Alcohol	F	F	G	E	P	G	E
Alkali	F-G	G	E	F-G	G-E	F-G	E
Benzol, Toluol	P	P-F	F	G	F	P	G
Degreaser Solvents	P	P	P-F	P	P	P-G	G
Electrical	E	F	G	P	E	O	E-O
Flame	P	G	G	P	P	F-G	E
Gasoline / Kerosene	P	G	F	E	P	P-F	G
Heat	F-G	G	E	G	E	O	G
Low Temp Flexibility	F-G	F-G	F	F	G-E	O	G
Nuclear Radiation	F-G	F-G	G	F-G	G	E	E
Oil	P	G	G	G-E	F	F-G	G-E
Oxidation	F	G	E	F	G	E	E
Ozone	P	G	E	P	E	O	E
Water	G-E	G	G-E	G-E	G-E	G-E	G-E
Weather / Sun	F	G	E	F-G	E	O	G-E