

Key:

E — Excellent G — Good F — Fair P — Poor

RTP Series	Base Resin	Weak Acids	Strong Acids	Weak Alkalis	Strong Alkalis	Organic Solvents	Alcohols	Hydro Carbons	Fuels	Gamma Radiation	UV Radiation	
100	Polypropylene	PP	E	G1	E	E	P3	G	F	F	P	F
200	Nylon 6/6	PA 6/6	G	P	E	F	E	G	G	G	F	P
200 A	Nylon 6	PA 6	G	P	E	F	E	G	G	G	F	F
200 B	Nylon 6/10	PA 6/10	G	P	E	F	E	G	F	G	F	F
200 C	Nylon 11	PA 11	G	P	E	F	G	P	G	G	F	F
200 D	Nylon 6/12	PA 6/12	G	P	E	F	G	P	G	G	F	F
200 E	Amorphous Nylon	PA	G	P	E	F	F	P	F	F	F	F
200 F	Nylon 12	PA 12	G	P	E	F	G	P	E	G	F	F
200 H	Impact-Modified Nylon 6/6	PA 6/6	G	P	E	F	G	P	F	G	F	F
200 K	Polyarylamide	PAA	G	P	E	F	E	G	G	G	F	F
300	Polycarbonate	PC	E	F1	F	P	P3	G	P	P	G	F
400	Polystyrene	PS	E	F1	G	G	P3	G	P	P	G	P
500	Styrene Acrylonitrile	SAN	G	G2	G	G	P4	P	P	P	G	P
600	Acrylonitrile Butadiene Styrene	ABS	E	G1	E	E	P4	P	P	P	G	P
700	High Density Polyethylene	HDPE	E	G1	E	E	G5	E	G	G	F	P
700 A	Low Density Polyethylene	LDPE	E	G	E	E	G	E	F	G	F	F
800	Acetal	POM	P	P	F	P	E	F	G	G	P	P
900	Polysulfone	PSU	E	E	E	E	G	G	P	P	G	F
1000	Polybutylene Terephthalate	PBT	G	P	P	P	E	G	P	G	G	F
1100	Polyethylene Terephthalate	PET	G	P	P	P	E	G	P	G	G	F
1200 S	Ester-based Thermoplastic Polyurethane Elastomer	TPU	G	F	G	F	P	F	E	G	F	P
1200 T	Ether-based Thermoplastic Polyurethane Elastomer	TPU	F	P	F	P	P	F	G	F	F	P
1300	Polyphenylene Sulfide	PPS	E	E	E	E	G	E	F	G	G	G
1400	Polyethersulfone	PES	E	P	E	E	P3	F	P	F	G	F
1500	Polyether-Ester Block Copolymer Thermoplastic Elastomer	COPE	G	P	F	P	F	G6	E	E	P	P

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Chemical & Environmental Resistance of Thermoplastics



Key:

E — Excellent G — Good F — Fair P — Poor

RTP Series	Base Resin		Weak Acids	Strong Acids	Weak Alkalis	Strong Alkalis	Organic Solvents	Alcohols	Hydro Carbons	Fuels	Gamma Radiation	UV Radiation
1700	Modified Polyphenylene Oxide	PPO	E	E	E	E	P	P	F	P	F	F
1800	Acrylic	PMMA	P	P	G	F	P	P	P	F	G	G
1800 A	Polycarbonate/Acrylic Alloy	PC/PMMA	G	G	G	G	P	F	P	F	F	F
2100	Polyetherimide	PEI	E	E	E	P	P4	F	P	F	G	F
2200	Polyetherehterketone	PEEK	E	E	E	E	E	E	E	G	G	G
2200 A	Polyetherketone	PEK	E	E	E	E	E	E	E	G	G	G
2300	Rigid Thermoplastic Polyurethane	RTPU	G	G	F	G	P4	P	P	F	F	P
2500	Polycarbonate/ABS Alloy	PC/ABS	E	G1	G	F	P3	P	P	P	G	F
2700 S	Saturated Styrenic Block Copolymer	SEBS	E	G	E	G	P3	F	P	P	P	F
	Thermoplastic Elastomer											
2700 U	Unsaturated Styrenic Block Copolymer	SBC	E	G	E	G	P3	F	P	P	P	P
	Thermoplastic Elastomer											
2800	Thermoplastic Polyolefin Elastomer	TEO	E	G	E	G	P3	G	F7	F7	P	F
2900	Polyether-Block-Amide	COPA	E	E	E	E	E	E	E	E	F	E
	Thermoplastic Elastomer											
3000	Polymethylpentene	PMP	E	G1	E	E	P3	G	P	F	G	F
3100	Perfluoroalkoxy	PFA	E	E	E	E	E	E	E	G	G	G
3200	Ethylene Tetrafluoroethylene	ETFE	E	E	E	E	E	E	E	G	G	G
3300	Polyvinylidene Fluoride	PVDF	E	E	E	E	E	E	E	G	G	G
3400	Liquid Crystal Polymer	LCP	E	E	E	E	E	E	E	G	G	G
3500	Fluorinated Ethylene Propylene	FEP	E	E	E	E	E	E	E	G	F	P
4000	Polyphthalamide	PPA	E	G	E	G	E	G	E	G	G	F
4100	Polyetherketoneketone	PEKK	E	E	E	E	E	E	E	G	G	G
4200	Thermoplastic Polyimide	TPI	E	E	E	E	E	E	E	E	E	E
4300	Polysulfone/Polycarbonate Alloy	PSU/PC	E	G	G	G	F	G	F	G	F	F
4400	High Temperature Nylon	HTN	F	P	E	F	G	G	P	G	F	F
4700	Polytrimethylene Terephthalate	PTT	G	P	P	P	E	G	P	G	G	F

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