

Technical Data Sheet

Polyfort PP 1579-01



Polypropylene, Impact Copolymer

Product Description

Polyfort PP 1579 is an impact grade of polypropylene for use in parts which require good impact and good appearance in light weight injection molded parts. It meets requirements of Chrysler Corporation Specification MSDB 531F. It is available in current Chrysler Corporation colors in this extra high flow for thin parts or reduced mold cycles.

Processing Method	Injection Molding
Attribute	Fast Molding Cycle; Good Impact Resistance; High Flow; Impact Copolymer; Pleasing Surface Appearance
Forms	Pellets
Appearance	Colors Available
Application	Automotive Applications; Thin-walled Parts

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	20	g/10 min	ASTM D1238
Density - Specific Gravity	0.898	g/cm ³	ASTM D792
Mechanical			
Tensile Elongation at Yield	5	%	ASTM D638
Tensile Strength at Yield, (51 mm/min)	22.8	MPa	ASTM D638
Flexural Modulus, (1.3 mm/min)	1140	MPa	ASTM D790
Tensile Elongation at Break	150	%	ASTM D638
Impact			
Gardner Impact, (No Standard)	28.2	J	ASTM D3029
Unnotched Izod Impact, (-29 °C)	800	J/m	ASTM D4812
Notched Izod Impact	110	J/m	ASTM D256
Hardness			
Rockwell Hardness, (R-Scale)	85		ASTM D785
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	50	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	85	°C	ASTM D648
Flammable			
Burning Rate, (FMVSS 302)	51	mm/min	FMVSS 302