

## Technical Data Sheet

### *Polyfort* POLYPROPYLENE 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.

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

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	20	g/10 min	ASTM D1238
Density - Specific Gravity	0.898	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
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
<b>Impact</b>			
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
<b>Hardness</b>			
Rockwell Hardness, (R-Scale)	85		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load Unannealed (264 psi)	50	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	85	°C	ASTM D648
<b>Flammable</b>			
Burning Rate, (FMVSS 302)	51	mm/min	FMVSS 302