Technical Data Sheet

Polyfort PP 1579

Polypropylene Impact Copolymer
LyondellBasell Industries
Engineering Plastics

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.

General			
Features	• Fast Molding Cycle • Good Impact Resistance	• High Flow • Impact Copolymer	• Pleasing Surface Appearance
Uses	• Automotive Applications	• Thin-walled Parts	
Automotive Specifications	• CHRYSLER MS-DB-531 Type F		
Appearance	• Colors Available		
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.900	0.898 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg)	20 g/10 min	20 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength [1] (Yield)	3300 psi	22.8 MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	5.0 %	5.0 %	
Break	150 %	150 %	
Flexural Modulus [2]	165000 psi	1140 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact	2.0 ft·lb/in	110 J/m	ASTM D256
Unnotched Izod Impact (-20°f (-29°c))	15 ft·lb/in	800 J/m	ASTM D4812
Gardner Impact	250 in·lb	28.2 J	
Hardness	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Rockwell Hardness (R-scale)	85	85	ASTM D785
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	185 °F	85.0 °C	
264 Psi (1.8 Mpa), Unannealed	122 °F	50.0 °C	
Flammability	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Burning Rate	2.0 in/min	51 mm/min	FMVSS 302

Notes

[1] 2.0 in/min (51 mm/min)

[2] 0.050 in/min (1.3 mm/min)

Notes

These are typical property values not to be construed as specification limits.