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.

Regulatory Status

For regulatory compliance information, see *Polyfort* PP 1579-01 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Asia-Pacific; North America
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/cm³	ASTM D792
Mechanical			
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 Yield	5	%	ASTM D638
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

Manufacturer website: https://www.lyondellbasell.com/en/

Notes

These are typical property values not to be construed as specification limits. The typical values for this product may have been tested on a natural grade.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit http://www.lyb.com/.

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