Polyfort PP 1579-01

LyondellBasell Industries - Polypropylene Impact Copolymer

General Information

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	
Appearance	• Colors Available		
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.900		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [2] (Yield)	3310	psi	ASTM D638
Tensile Elongation (Yield)	5.0	%	ASTM D638
Tensile Elongation (Break)	150	%	ASTM D638
Flexural Modulus [3]	165000	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	2.1	ft·lb/in	ASTM D256
Unnotched Izod Impact (-20°F)	15	ft·lb/in	ASTM D4812
Gardner Impact	250	in·lb	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	85		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	185	°F	ASTM D648
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed	122	°F	
Flammability	**Nominal Value**	**Unit**	**Test Method**
Burning Rate	2.0	in/min	FMVSS 302

Notes

[1] Typical properties: these are not to be construed as specifications.

[2] 2.0 in/min

[3] 0.051 in/min