

# Polyfort POLYPROPYLENE PP 1579-01 NATURAL

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	<ul style="list-style-type: none"> <li>Fast Molding Cycle</li> <li>Good Impact Resistance</li> </ul>	<ul style="list-style-type: none"> <li>High Flow</li> <li>Impact Copolymer</li> </ul>	<ul style="list-style-type: none"> <li>Pleasing Surface Appearance</li> </ul>
Uses	<ul style="list-style-type: none"> <li>Automotive Applications</li> </ul>	<ul style="list-style-type: none"> <li>Thin-walled Parts</li> </ul>	
Appearance	<ul style="list-style-type: none"> <li>Colors Available</li> </ul>		
Forms	<ul style="list-style-type: none"> <li>Pellets</li> </ul>		
Processing Method	<ul style="list-style-type: none"> <li>Injection Molding</li> </ul>		

## Properties<sup>1</sup>

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 <sup>2</sup> (Yield)	3310	psi	ASTM D638
Tensile Elongation (Yield)	5.0	%	ASTM D638
Tensile Elongation (Break)	150	%	ASTM D638
Flexural Modulus <sup>3</sup>	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 264 psi, Unannealed	122	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Burning Rate	2.0	in/min	FMVSS 302

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 2.0 in/min

<sup>3</sup> 0.051 in/min