

# Polyfort PP 1259-31 UP BLACK

## LyondellBasell Industries - Polypropylene Impact Copolymer

### General Information

#### Product Description

Polyfort PP 1259 is a medium impact polypropylene with easier molding characteristics for thinner parts and longer flow distances. Lower molding pressures and heats often reduce warpage and mold cycles. Approved for automotive use.

#### General

Features	<ul style="list-style-type: none"> <li>Fast Molding Cycle</li> <li>Good Processability</li> </ul>	<ul style="list-style-type: none"> <li>Impact Copolymer</li> <li>Low Warpage</li> </ul>	<ul style="list-style-type: none"> <li>Medium Impact Resistance</li> </ul>
Uses	<ul style="list-style-type: none"> <li>Automotive Applications</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	0.902		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Water Absorption (24 hr)	0.030	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield)	3500	psi	ASTM D638
Tensile Elongation (Yield)	7.0	%	ASTM D638
Flexural Modulus	165000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	2.4	ft-lb/in	ASTM D256
Unnotched Izod Impact	30	ft-lb/in	ASTM D4812
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	75		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	195	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	135	°F	ASTM D648
Melting Temperature	331	°F	Internal Method
Flammability	Nominal Value	Unit	
Burning Rate	1.4	in/min	

#### Notes

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

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