

Technical Data Sheet

Polyfort PP 1692

Polypropylene Impact Copolymer
LyondellBasell Industries
Engineering Plastics

Product Description

Polyfort PP 1692 is an exceptional high impact copolymer with high flow for appearance parts. This material is available in Natural.

General

Features	• High Flow	• High Impact Resistance	• Impact Copolymer
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Compounding	• Injection Molding	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.902	0.900 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			ASTM D638
Yield, 0.126 In (3.20 Mm), Injection Molded	3510 psi	24.2 MPa	
Tensile Elongation			ASTM D638
Yield, 0.126 In (3.20 Mm), Injection Molded	6.0 %	6.0 %	
Flexural Modulus - 1% Secant			ASTM D790
0.126 In (3.20 Mm), Injection Molded	160000 psi	1100 MPa	
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact			ASTM D256
73°F (23°C), 0.126 In (3.20 Mm), Injection Molded	> 10 ft·lb/in	> 530 J/m	
Gardner Impact (-22°F (-30°C))	219 in·lb	24.7 J	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	221 °F	105 °C	

Notes

¹ 2.0 in/min (51 mm/min)

Notes

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