

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/cm ³ | 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.