

Technical Data Sheet

Polyfort POLYPROPYLENE PP 1692-01



Polypropylene, Impact Copolymer

Product Description

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

| | |
|--------------------------|---|
| Processing Method | Compounding; Injection Molding |
| Attribute | High Flow; High Impact Resistance; Impact Copolymer |
| Forms | Pellets |
| Appearance | Natural Color |

| Typical Properties | Nominal Value | Units | Test Method |
|---|---------------|-------------------|-------------|
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 20 | g/10 min | ASTM D1238 |
| Density - Specific Gravity | 0.9 | g/cm ³ | ASTM D792 |
| Mechanical | | | |
| Tensile Elongation at Yield, (3.20 mm, Injection Molded) | 6.0 | % | ASTM D638 |
| Tensile Strength at Yield, (51 mm/min, 3.20 mm, Injection Molded) | 24.2 | MPa | ASTM D638 |
| Flexural Modulus, (3.20 mm, Injection Molded, 1% Secant) | 1100 | MPa | ASTM D790 |
| Impact | | | |
| Gardner Impact, (-30 °C) | 24.7 | J | ASTM D3029 |
| Notched Izod Impact, (23 °C, 3.20 mm, Injection Molded) | >530 | J/m | ASTM D256 |
| Thermal | | | |
| Deflection Temperature Under Load Unannealed (66 psi) | 105 | °C | ASTM D648 |