

Polyfort FPP1A10HBNANAT

LyondellBasell Industries - Polypropylene Homopolymer

General Information

Product Description

FPP1A10HBNA is a 10% Glass-Reinforced Polypropylene Homopolymer

General

| | |
|------------------------|-------------------------------------|
| Filler / Reinforcement | • Glass Fiber, 10% Filler by Weight |
| Features | • Homopolymer |
| Appearance | • Natural Color |
| Forms | • Pellets |
| Processing Method | • Injection Molding |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|----------|-------------|
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 4.0 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield, 73°F) | 7400 | psi | ASTM D638 |
| Tensile Elongation (Yield) | 12 | % | ASTM D638 |
| Flexural Modulus (73°F, 0.125 in) | 390000 | psi | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (73°F, 0.125 in) | 0.99 | ft-lb/in | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (66 psi, Unannealed) | 300 | °F | ASTM D648 |

Processing Information

| Injection | Nominal Value | Unit |
|------------------------|----------------|------|
| Drying Temperature | 180 to 219 | °F |
| Drying Time | 2.0 to 4.0 | hr |
| Rear Temperature | 390 to 469 | °F |
| Middle Temperature | 390 to 469 | °F |
| Front Temperature | 390 to 469 | °F |
| Processing (Melt) Temp | 390 to 469 | °F |
| Mold Temperature | 61 to 151 | °F |
| Injection Rate | Moderate | |
| Back Pressure | < 50.0 | psi |
| Screw Speed | 20 to 60 | rpm |
| Cushion | 0.250 to 0.500 | in |