

Polyfort FPP 1080-01 01 NATURAL

LyondellBasell Industries - Polypropylene

General Information

Product Description

PP 20% Glass Fiber

General

| | |
|------------------------|-------------------------------------|
| Filler / Reinforcement | • Glass Fiber, 20% Filler by Weight |
| Processing Method | • Injection Molding |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|-----------------------|--------------|
| Density | 1.04 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) | 11 | g/10 min | ISO 1133 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress (Yield) | 9430 | psi | ISO 527-2/50 |
| Flexural Modulus ² | 725000 | psi | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact Strength | 2.4 | ft·lb/in ² | ISO 180 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load 264 psi, Unannealed | 284 | °F | ISO 75-2/A |

Processing Information

| Injection | Nominal Value | Unit |
|------------------------|---------------|------|
| Drying Temperature | 176 | °F |
| Drying Time | 2.0 to 3.0 | hr |
| Processing (Melt) Temp | 428 to 500 | °F |
| Mold Temperature | 86 to 140 | °F |
| Injection Rate | Moderate-Fast | |

Notes

¹ Typical properties: these are not to be construed as specifications.

² 0.079 in/min