

Polyfort FPP4B20CCUVWH170

LyondellBasell Industries - Polypropylene Homopolymer

General Information

Product Description

Polyfort FPP4B20CCUV is a 20% Glass-Reinforced, UV Stabilized, Chemically-Coupled Polypropylene

General

| | |
|------------------------|--------------------------------------|
| Filler / Reinforcement | • Glass Fiber, 20% Filler by Weight |
| Additive | • UV Stabilizer |
| Features | • Chemically Coupled • UV Stabilized |
| Appearance | • Colors Available |
| Forms | • Pellets |
| Processing Method | • Injection Molding |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|----------|-------------|
| Density / Specific Gravity | 1.05 | | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 11 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield, 73°F) | 6740 | psi | ASTM D638 |
| Tensile Elongation (Break) | 12 | % | ASTM D638 |
| Flexural Modulus | 474000 | psi | ASTM D790 |
| Flexural Strength | 9570 | psi | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (73°F, 0.125 in) | 3.2 | ft·lb/in | ASTM D256 |

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 |