

Polyfort RPP20ER05GYGRY

LyondellBasell Industries - Polypropylene

General Information

Product Description

Polyfort RPP20ER05GYGRY is a Polypropylene, Unspecified Glass Fiber, 20% filled material and is typically used in Injection Molding applications. Features include: Good Impact Resistance.

General

| | |
|------------------------|-------------------------------------|
| Filler / Reinforcement | • Glass Fiber, 20% Filler by Weight |
| Features | • Good Impact Resistance |
| Appearance | • Colors Available |
| Forms | • Pellets |
| Processing Method | • Injection Molding |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|----------------------------|---------------|----------|-------------|
| Melt Mass-Flow Rate (MFR) | 3.7 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 9960 | psi | ASTM D638 |
| Flexural Modulus - Tangent | 703000 | psi | ASTM D790 |

Processing Information

| Injection | Nominal Value | Unit |
|------------------------|----------------|------|
| Drying Temperature | 160 to 180 | °F |
| Drying Time | 2.0 to 4.0 | hr |
| Rear Temperature | 430 to 460 | °F |
| Middle Temperature | 441 to 469 | °F |
| Front Temperature | 450 to 500 | °F |
| Nozzle Temperature | 450 to 500 | °F |
| Processing (Melt) Temp | 430 to 460 | °F |
| Mold Temperature | 100 to 151 | °F |
| Injection Rate | Slow-Moderate | |
| Back Pressure | 20.0 to 50.0 | psi |
| Cushion | 0.200 to 0.500 | in |