

Polyfort TPP4C15UVBR65BWN

LyondellBasell Industries - Polypropylene Copolymer

General Information

Product Description

Polyfort TPP4C15UVBR65BWN is a Polypropylene Copolymer Talc, 15% filled material and is typically used in Injection Molding applications. Features include: UV Stabilized.

General

| | |
|------------------------|------------------------------|
| Filler / Reinforcement | • Talc, 15% Filler by Weight |
| Additive | • UV Stabilizer |
| Features | • UV Stabilized |
| Appearance | • Colors Available |
| Forms | • Pellets |
| Processing Method | • Injection Molding |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--------------------------------------|---------------|----------|-------------|
| Density / Specific Gravity | 1.00 | | ASTM D792 |
| Melt Mass-Flow Rate (MFR) | 14 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield, 73°F) | 2800 | psi | ASTM D638 |
| Tensile Elongation (Yield) | 10 | % | ASTM D638 |
| Flexural Modulus (73°F) | 210000 | psi | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (73°F, 0.125 in) | 5.1 | ft-lb/in | ASTM D256 |
| Gardner Impact | 155 | in-lb | ASTM D3029 |

Processing Information

| Injection | Nominal Value | Unit |
|------------------------|----------------|------|
| Drying Temperature | 176 | °F |
| Drying Time | 2.0 to 3.0 | hr |
| Rear Temperature | 351 to 430 | °F |
| Middle Temperature | 351 to 430 | °F |
| Front Temperature | 351 to 430 | °F |
| Processing (Melt) Temp | 428 to 500 | °F |
| Mold Temperature | 86 to 140 | °F |
| Injection Rate | Moderate | |
| Back Pressure | 20.0 to 300 | psi |
| Cushion | 0.250 to 0.500 | in |