

Polyfort TPP20AF34BK-BKBLK

LyondellBasell Industries - Polypropylene

General Information

Product Description

Polyfort TPP20AF34BK-BKBLK is a Polypropylene, Unspecified Talc, 20% filled material and is typically used in Injection Molding applications. Features include: Filled, Heat Stabilized, and Homopolymer.

General

| | |
|------------------------|--|
| Filler / Reinforcement | • Talc, 20% Filler by Weight |
| Additive | • Heat Stabilizer |
| Features | • Filled • Heat Stabilized • Homopolymer |
| Uses | • Automotive Under the Hood • Housings |
| Appearance | • Black |
| Forms | • Pellets |
| Processing Method | • Injection Molding |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|----------|-------------|
| Density / Specific Gravity | 1.06 | | ASTM D792 |
| Melt Mass-Flow Rate (MFR) | 10 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (73°F) | 4730 | psi | ASTM D638 |
| Flexural Modulus | 405000 | psi | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | | | ASTM D256 |
| -40°F | 0.37 | ft-lb/in | |
| 73°F | 0.60 | ft-lb/in | |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (66 psi, Unannealed) | 252 | °F | ASTM D648 |
| Deflection Temperature Under Load 264 psi, Unannealed | 180 | °F | ASTM D648 |

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 |