

Technical Data Sheet

Polyfort TPP25AF31BL-BL



Polypropylene, Homopolymer

Product Description

Polyfort TPP25AF31BL-BL is a Polypropylene Homopolymer Talc, 25% filled material and is typically used in Injection Molding applications. Features include: Homopolymer.

| | |
|-----------------------------|-------------------|
| Processing Method | Injection Molding |
| Attribute | Homopolymer |
| Forms | Pellets |
| Filler/Reinforcement | Talc, 25% |

| Typical Properties | Nominal Value | Units | Test Method |
|--|---------------|-------------------|-------------|
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 5.5 | g/10 min | ASTM D1238 |
| Density - Specific Gravity | 1.11 | g/cm ³ | ASTM D792 |
| Mechanical | | | |
| Tensile Strength at Yield, (23 °C) | 34.5 | MPa | ASTM D638 |
| Flexural Strength at Yield, (23 °C) | 53.1 | MPa | ASTM D790 |
| Flexural Modulus | | | |
| (23 °C, 1% Secant) | 2490 | MPa | ASTM D790 |
| (23 °C, Tangent) | 3090 | MPa | ASTM D790 |
| Tensile Elongation at Break, (23 °C) | 15 | % | ASTM D638 |
| Impact | | | |
| Gardner Impact | 0.678 | J | ASTM D5420 |
| Unnotched Izod Impact, (23 °C) | 540 | J/m | ASTM D4812 |
| Notched Izod Impact, (23 °C) | 32 | J/m | ASTM D256 |
| Thermal | | | |
| Deflection Temperature Under Load Unannealed (264 psi) | 76.7 | °C | ASTM D648 |
| Deflection Temperature Under Load Unannealed (66 psi) | 129 | °C | ASTM D648 |

| Injection Parameters | Nominal Value | Units |
|------------------------|---------------|-------|
| Drying Time | 2.0 to 3.0 | hr |
| Drying Temperature | 80 | °C |
| Processing (Melt) Temp | 220 to 260 | °C |
| Mold Temperature | 30 to 60 | °C |