

Technical Data Sheet

Polyfort FIPP 10T K2369 SIL68940



Polypropylene Copolymer

Product Description

Polypropylen Copolymer 10% talc filled

Processing Method Injection Molding

Filler/Reinforcement Talc

| Typical Properties | Nominal Value | Units | Test Method |
|---|---------------|-------------------------|-------------|
| Physical | | | |
| Melt Volume Flow Rate, (230 °C/2.16 kg) | 30 | cm ³ /10 min | ISO 1133 |
| Density, (Method A) | 0.950 | g/cm ³ | ISO 1183 |
| Mechanical | | | |
| Tensile Stress at Yield, (Type 1A, 50 mm/min) | 17.0 | MPa | ISO 527-2 |
| Tensile Strain at Yield, (Type 1A, 50 mm/min) | 8.0 | % | ISO 527-2 |
| Tensile Modulus, (1 mm/min, Type 1A) | 1100 | MPa | ISO 527-1 |
| Impact | | | |
| Charpy Impact Strength - Notched | | | |
| (23 °C, Type 1, Edgewise, Notch A) | 16 | kJ/m ² | ISO 179 |
| (-30 °C, Type 1, Edgewise, Notch A) | 3.0 | kJ/m ² | ISO 179 |
| Charpy Impact Strength - Unnotched | | | |
| (23 °C, Type 1, Edgewise) | No Break | | ISO 179 |
| (-30 °C, Type 1, Edgewise) | 20 | kJ/m ² | ISO 179 |
| Thermal | | | |
| Vicat Softening Temperature | | | |
| (B (50N), 50 °C/h) | 56.0 | °C | ISO 306 |
| (A (10N), 50 °C/h) | 124 | °C | ISO 306 |
| Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise) | 63.0 | °C | ISO 75-2/B |
| Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise) | 47.0 | °C | ISO 75-2/A |
| Flammable | | | |
| Burning Rate | | | |
| (2.00 mm) | <100 | mm/min | FMVSS 302 |
| (2.00 mm) | <100 | mm/min | ISO 3795 |

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