

Technical Data Sheet

Polyfort FPP 1006-01 NATURAL



Polypropylene, Unspecified (PP, Unspecified)

Product Description

Polyfort FPP 1006 is a 20% Talc-Filled Polypropylene

Processing Method Injection Molding

Appearance Natural Color

Filler/Reinforcement Talc, 20%

| Typical Properties | Nominal Value | Units | Test Method |
|--|----------------------|-------------------|--------------------|
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 13 | g/10 min | ASTM D1238 |
| Density - Specific Gravity | 1.05 | g/cm ³ | ASTM D792 |
| Mechanical | | | |
| Tensile Strength at Yield | 34 | MPa | ASTM D638 |
| Flexural Modulus, (Tangent) | 2540 | MPa | ASTM D790 |
| Impact | | | |
| Notched Izod Impact | 39 | J/m | ASTM D256 |
| Thermal | | | |
| Deflection Temperature Under Load Unannealed (264 psi) | 75 | °C | ASTM D648 |
| Additional Information | | | |
| Filler Content | 20 | % | ASTM D5630 |

| 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 |