

Technical Data Sheet

Polyfort FPP 1640-31 BLACK

Polypropylene, Unspecified (PP, Unspecified)

Product Description

PP 35% Talc/Glass Fiber

Processing Method Injection Molding

Filler/Reinforcement Glass Fiber\Talc, 35%

| Typical Properties | Nominal Value | Units | Test Method |
|---------------------------------------------------------|---------------|-------------------|-------------|
| Physical | | | |
| Density | 1.2 | g/cm ³ | ISO 1183 |
| Mechanical | | | |
| Tensile Stress at Yield, (50 mm/min) | 63.0 | MPa | ISO 527-2 |
| Flexural Modulus, (2.0 mm/min) | 5800 | MPa | ISO 178 |
| Impact | | | |
| Notched Izod Impact Strength | 5.7 | kJ/m ² | ISO 180 |
| Thermal | | | |
| Deflection Temperature Under Load Unannealed (1.80 MPa) | 135 | °C | ISO 75-2/A |
| Additional Information | | | |
| Filler Content | 35 | % | 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 |