

Technical Data Sheet

***Polyfort* FPP 1080-01 01 NATURAL**



Polypropylene, Unspecified (PP, Unspecified)

Product Description

PP 20% Glass Fiber

Processing Method Injection Molding

Filler/Reinforcement Glass Fiber, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate	11	g/10 min	ISO 1133
Density	1.04	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield, (50 mm/min)	65.0	MPa	ISO 527-2
Flexural Modulus, (2.0 mm/min)	5000	MPa	ISO 178
Impact			
Notched Izod Impact Strength	5	kJ/m ²	ISO 180
Thermal			
Deflection Temperature Under Load Unannealed (1.80 MPa)	140	°C	ISO 75-2/A
Additional Information			
Filler Content	20	%	ASTM D5630

Injection Parameters	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