

Technical Data Sheet

Polyfort FPP 3539U-31 BLACK



Polypropylene, Unspecified (PP, Unspecified)

Product Description

PP 15% Glass Fiber Chemically Coupled

Processing Method	Injection Molding
Attribute	Chemically Coupled
Filler/Reinforcement	Glass Fiber, 15%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density	0.99	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield, (50 mm/min)	55.0	MPa	ISO 527-2
Flexural Modulus, (2.0 mm/min)	3350	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched	10	kJ/m ²	ISO 179
Thermal			
Deflection Temperature Under Load Unannealed (1.80 MPa)	130	°C	ISO 75-2/A
Additional Information			
Filler Content	15	%	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