

Technical Data Sheet

Polyfort FPP 1239H-01



Polypropylene, Unspecified (PP, Unspecified)

Product Description

PP 30% Glass Fiber Chemically Coupled

Processing Method Injection Molding
Attribute Chemically Coupled
Filler/Reinforcement Glass Fiber, 31%

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Density	1.13	g/cm ³	1.13	g/cm ³	ISO 1183
Mechanical					
Tensile Stress at Yield, (50 mm/min)			87.0	MPa	ISO 527-2
Flexural Modulus, (2.0 mm/min)			7200	MPa	ISO 178
Impact					
Notched Izod Impact Strength			11	kJ/m ²	ISO 180
Thermal					
Deflection Temperature Under Load Unannealed (1.80 MPa)			148	°C	ISO 75-2/A
Additional Information					
Filler Content	31	%	31	%	ASTM D5630

Injection Parameters	Nominal Value	English Units	Nominal Value	SI Units
Drying Time, -Drying is typically not required.	2.0 to 4.0	hr	2.0 to 4.0	hr
Drying Temperature, (Desiccant Dryer)	180	°F		
Processing (Melt) Temp	390-470	°F		
Injection Rate	Moderate-Fast		Moderate-Fast	
Mold Temperature	60-110	°F		