

Technical Data Sheet

Polyfort FPP 1220U-3120 01 BLACK



Polypropylene, Unspecified (PP, Unspecified)

Product Description

Polyfort FPP 1220U 3120 is a 20% Glass Fiber Reinforced, UV Stabilized Polypropylene

Processing Method Injection Molding

Attribute UV Stabilized

Filler/Reinforcement Glass Fiber, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate	9.2	g/10 min	ASTM D1238
Density - Specific Gravity	1.04	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	54.2	MPa	ASTM D638
Flexural Modulus, (1.3 mm/min, Tangent)	3750	MPa	ASTM D790
Tensile Elongation at Break	6.7	%	ASTM D638
Flexural Strength	84	MPa	ASTM D790
Impact			
Notched Izod Impact	130	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	120	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	150	°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