

Technical Data Sheet

Polyfort FPP3B30HBNANAT



Polypropylene, Homopolymer

Product Description

FPP3B30HBNA is a 30% Glass-Reinforced, Chemically Coupled, Copolymer Polypropylene, Natural

Processing Method	Injection Molding
Attribute	Homopolymer
Forms	Pellets
Filler/Reinforcement	Glass Fiber, 30%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate	8.5	g/10 min	ASTM D1238
Mechanical			
Tensile Strength at Yield, (23 °C)	69.3	MPa	ASTM D638
Flexural Modulus	5060	MPa	ASTM D790
Tensile Elongation at Break	12	%	ASTM D638
Impact			
Notched Izod Impact, (23 °C, 3.18 mm)	180	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	143	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	157	°C	ASTM D648
UL Information			
Flame Rating, (UL 94)	HB		UL 94

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 4.0	hr
Drying Temperature	82 to 104	°C
Screw Speed	20 to 60	rpm
Processing (Melt) Temp	199 to 243	°C
Front Temperature	199 to 243	°C
Middle Temperature	199 to 243	°C
Rear Temperature	199 to 243	°C
Injection Rate	Moderate	
Back Pressure	<0.345	MPa
Mold Temperature	16 to 66	°C
Cushion	6.35 to 12.7	mm