

Technical Data Sheet

Polyfort FPP1A10HBANAT

Polypropylene, Homopolymer

Product Description

FPP1A10HBNA is a 10% Glass-Reinforced Polypropylene Homopolymer

Processing Method	Injection Molding
Attribute	Homopolymer
Forms	Pellets
Appearance	Natural Color
Filler/Reinforcement	Glass Fiber, 10%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	4.0	g/10 min	ASTM D1238
Mechanical			
Tensile Elongation at Yield	12	%	ASTM D638
Tensile Strength at Yield, (23 °C)	51.0	MPa	ASTM D638
Flexural Modulus, (23 °C, 3.18 mm)	2690	MPa	ASTM D790
Impact			
Notched Izod Impact, (23 °C, 3.18 mm)	53	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (66 psi)	149	°C	ASTM D648

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