

Technical Data Sheet

Polyfort FPP3B30HUBKBLK



Polypropylene, Homopolymer

Product Description

FPP3B30HUBK is a 30% Glass-Reinforced, Chemically Coupled Polypropylene, Black

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

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate	7	g/10 min	ASTM D1238
Density - Specific Gravity	1.14	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield, (23 °C)	75.2	MPa	ASTM D638
Flexural Modulus	5100	MPa	ASTM D790
Tensile Elongation at Break	12	%	ASTM D638
Impact			
Notched Izod Impact, (23 °C, 3.18 mm)	140	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
UL File Number	E51193		

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