

Technical Data Sheet

Polyfort FPR3B30CCBK21BLK

Polypropylene, Unspecified (PP, Unspecified)

Product Description

FPR3B30CC is a 30% Fiberglass Reinforced, Chemically Coupled Polypropylene

Processing Method	Injection Molding
Forms	Pellets
Appearance	Colors Available
Filler/Reinforcement	Glass Fiber, 30%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	8.0	g/10 min	ASTM D1238
Density - Specific Gravity	1.13	g/cm ³	ASTM D792
Mechanical			
Tensile Elongation at Yield	12	%	ASTM D638
Tensile Strength at Yield	61.8	MPa	ASTM D638
Flexural Modulus, (Tangent)	4750	MPa	ASTM D790
Impact			
Notched Izod Impact	140	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	141	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	157	°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