Technical Data Sheet

Polyfort FPP4B20CCUVBR96BEI

Polypropylene, Homopolymer

Product Description

Polyfort FPP4B20CCUV is a 20% Glass-Reinforced, UV Stabilized, Chemically-Coupled Polypropylene

Processing Method	Injection Molding
Attribute	Chemically Coupled; UV Stabilized
Forms	Pellets
Appearance	Colors Available
Filler/Reinforcement	Glass Fiber, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	11	g/10 min	ASTM D1238
Density - Specific Gravity	1.05	g/cm³	ASTM D792
Mechanical			
Tensile Strength at Yield, (23 °C)	46.5	MPa	ASTM D638
Flexural Modulus	3270	MPa	ASTM D790
Tensile Elongation at Break	12	%	ASTM D638
Flexural Strength	66	MPa	ASTM D790
Impact			
Notched Izod Impact, (23 °C, 3.18 mm)	170	J/m	ASTM D256

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