

Technical Data Sheet

Polyfort FPP4A30CCBKBLK



Polypropylene, Unspecified (PP, Unspecified)

Product Description

Polyfort FPP4A30CCBKBLK is a Polypropylene, Unspecified Glass Fiber, 30% filled material and is typically used in Injection Molding applications. Features include: Impact Modified.

Processing Method Injection Molding

Attribute Impact Modified

Forms Pellets

Filler/Reinforcement Glass Fiber, 30%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	7.5	g/10 min	ASTM D1238
Density - Specific Gravity	1.14	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	61.4	MPa	ASTM D638
Flexural Modulus, (Tangent)	4480	MPa	ASTM D790
Impact			
Notched Izod Impact	150	J/m	ASTM D256
Thermal			
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