

Technical Data Sheet

**Polyfort FPP1A30HCBKBLK**



Polypropylene, Homopolymer

**Product Description**

FPP1A30HC is a 30% Glass-Filled Polypropylene Homopolymer

<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	Homopolymer
<b>Forms</b>	Pellets
<b>Appearance</b>	Colors Available
<b>Filler/Reinforcement</b>	Glass Fiber, 30%

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	4.9	g/10 min	ASTM D1238
<b>Mechanical</b>			
Tensile Strength at Yield, (23 °C)	88.8	MPa	ASTM D638
Flexural Modulus, (23 °C, 3.18 mm, Tangent)	6220	MPa	ASTM D790
<b>Impact</b>			
Notched Izod Impact, (23 °C, 3.18 mm)	96	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