

Technical Data Sheet

**Polyfort FPP1A25CCBKBLK**



Polypropylene, Unspecified (PP, Unspecified)

**Product Description**

FPP1A25CCBK is a 25% Glass-Reinforced, Chemically Coupled Polypropylene Homopolymer

<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	Chemically Coupled
<b>Forms</b>	Pellets
<b>Appearance</b>	Black
<b>Filler/Reinforcement</b>	Glass Fiber, 25%

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	6.0	g/10 min	ASTM D1238
Density - Specific Gravity	1.07	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Tensile Strength at Yield	68.9	MPa	ASTM D638
Flexural Modulus	4790	MPa	ASTM D790
Tensile Elongation at Break	10	%	ASTM D638
<b>Impact</b>			
Notched Izod Impact	80	J/m	ASTM D256
<b>Thermal</b>			
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