

**Technical Data Sheet**

**Polyfort FPP 1005-3120 BLACK**



Polypropylene, Unspecified (PP, Unspecified)

**Product Description**

PP Modified 40% Talc

**Processing Method** Injection Molding

**Filler/Reinforcement** Talc, 40%

<b>Typical Properties</b>	<b>Nominal Value</b>	<b>Units</b>	<b>Test Method</b>
<b>Physical</b>			
Density - Specific Gravity	1.28	g/cm <sup>3</sup>	ASTM D792
Vinyl Acetate Content	3	wt %	
<b>Mechanical</b>			
Tensile Strength at Yield, (50 mm/min)	32.0	MPa	ASTM D638
Flexural Modulus, (1.3 mm/min)	3600	MPa	ASTM D790
<b>Impact</b>			
Notched Izod Impact	20	J/m	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load Unannealed (264 psi)	60	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	105	°C	ASTM D648
<b>Additional Information</b>			
Filler Content	40.5	%	ASTM D5630

<b>Injection Parameters</b>	<b>Nominal Value</b>	<b>Units</b>
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	220 to 260	°C
Injection Rate	Moderate-Fast	
Mold Temperature	30 to 60	°C