

## Technical Data Sheet

### *Polyfort* FPP1A10CCNANAT



Polypropylene, Unspecified (PP, Unspecified)

#### Product Description

*Polyfort* FPP1A10CCNANAT is a Polypropylene, Unspecified Glass Fiber, 10% filled material and is typically used in Injection Molding applications. Features include: Chemically Coupled.

<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	Chemically Coupled
<b>Forms</b>	Pellets
<b>Filler/Reinforcement</b>	Glass Fiber, 10%

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	4.0	g/10 min	ASTM D1238
Density - Specific Gravity	0.958	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Tensile Strength at Yield	48.3	MPa	ASTM D638
Flexural Modulus, (Tangent)	2480	MPa	ASTM D790
<b>Impact</b>			
Notched Izod Impact	53	J/m	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load Unannealed (264 psi)	129	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	149	°C	ASTM D648
RTI Str	65.6	°C	UL 746B
<b>UL Information</b>			
Flame Rating, (1.5 mm)	HB		UL 94

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