

Technical Data Sheet

Polyfort CPP1B40NANAT

Polypropylene, Unspecified (PP, Unspecified)

Product Description

Polyfort CPP1B40NANAT is a Polypropylene, Unspecified Calcium Carbonate, 40% filled material and is typically used in Injection Molding applications.

Processing Method	Injection Molding
Forms	Pellets
Filler/Reinforcement	Calcium Carbonate, 40%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	7.0	g/10 min	ASTM D1238
Density - Specific Gravity	1.25	g/cm ³	ASTM D792
Mechanical			
Tensile Elongation at Yield	7	%	ASTM D638
Tensile Strength at Yield	24.8	MPa	ASTM D638
Flexural Modulus	2960	MPa	ASTM D790
Impact			
Gardner Impact	15.6	J	ASTM D5420
Notched Izod Impact	64	J/m	ASTM D256

Injection Parameters	Value	Units
Drying Time	2.0 to 4.0	hr
Drying Temperature	82 to 104	°C
Processing (Melt) Temp	199 to 232	°C
Front Temperature	188 to 232	°C
Middle Temperature	188 to 232	°C
Rear Temperature	188 to 232	°C
Injection Rate	Moderate	
Back Pressure	0.138 to 2.07	MPa
Mold Temperature	21 to 49	°C
Cushion	6.35 to 12.7	mm