

Technical Data Sheet

Polyfort CPP2B40UVGY253GRY



Polypropylene Copolymer

Product Description

CPP2B40 is a 40% Calcium Carbonate Filled Polypropylene Copolymer

Processing Method	Injection Molding
Attribute	Copolymer
Forms	Pellets
Appearance	Colors Available
Filler/Reinforcement	Calcium Carbonate, 40%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	9.9	g/10 min	ASTM D1238
Density - Specific Gravity	1.25	g/cm ³	ASTM D792
Mechanical			
Tensile Elongation at Yield, (23 °C, 3.18 mm)	7.0	%	ASTM D638
Tensile Strength at Yield, (23 °C)	21.0	MPa	ASTM D638
Flexural Modulus, (23 °C)	2610	MPa	ASTM D790
Impact			
Gardner Impact, (23 °C)	19.4	J	ASTM D5420
Notched Izod Impact, (23 °C)	130	J/m	ASTM D256

Injection Parameters	Nominal 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