Technical Data Sheet

Polyfort CPP2B10FDBKBLK

Polypropylene Copolymer

Product Description

Polyfort CPP2B10FDBKBLK is a Polypropylene Copolymer Calcium Carbonate, 10% filled material and is typically used in Injection Molding applications. Features include: Copolymer, and Good Impact Resistance.

Processing Method	Injection Molding
Attribute	Copolymer; Good Impact Resistance
Forms	Pellets
Filler/Reinforcement	Calcium Carbonate, 10%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	9.5	g/10 min	ASTM D1238
Density - Specific Gravity	0.968	g/cm³	ASTM D792
Mechanical			
Tensile Elongation at Yield, (23 °C, 3.18 mm)	11	%	ASTM D638
Tensile Strength at Yield, (23 °C, 3.18 mm)	26.9	MPa	ASTM D638
Flexural Modulus, (23 °C, 3.18 mm, Tangent)	1520	MPa	ASTM D790
Impact			
Gardner Impact, (23 °C, 3.18 mm)	7.91	J	ASTM D5420
Notched Izod Impact, (23 °C, 3.18 mm)	48	J/m	ASTM D256
Hardness			
Durometer Hardness, (Shore D, 3.18 mm)	70		ASTM D2240
Thermal			
Deflection Temperature Under Load Unannealed (264 psi), (3.18 mm)	43.3	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi), (3.18 mm)	79.4	°C	ASTM D648
UL Information			
Flame Rating, (1.6 mm)	HB		UL 94

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