

Technical Data Sheet

Polyfort CPP5A20HBBK19BLK



Polypropylene, Homopolymer

Product Description

CPP5A20HBBK is a 20% Calcium Carbonate Filled, Impact Modified Polypropylene Homopolymer

Processing Method	Injection Molding
Attribute	Homopolymer; Impact Modified
Forms	Pellets
Appearance	Black
Filler/Reinforcement	Calcium Carbonate, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate	5	g/10 min	ASTM D1238
Density - Specific Gravity	1.04	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield, (23 °C)	19.2	MPa	ASTM D638
Flexural Modulus, (23 °C)	1290	MPa	ASTM D790
Impact			
Gardner Impact, (23 °C, 3.18 mm)	19.7	J	ASTM D5420
Notched Izod Impact, (23 °C)	690	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