

Polyfort CPP3C20HBNANAT

LyondellBasell Industries - Polypropylene

General Information

Product Description

CPP3C20HB is a 20% Calcium Carbonate Filled Polypropylene

General

Filler / Reinforcement	• Calcium Carbonate, 20% Filler by Weight
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F, 0.125 in)	3290	psi	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus (73°F, 0.125 in)	248000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	2.4	ft-lb/in	ASTM D256
Gardner Impact (73°F, 0.125 in)	187	in-lb	ASTM D5420

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180 to 219	°F
Drying Time	2.0 to 4.0	hr
Rear Temperature	370 to 450	°F
Middle Temperature	370 to 450	°F
Front Temperature	370 to 450	°F
Processing (Melt) Temp	390 to 450	°F
Mold Temperature	70 to 120	°F
Injection Rate	Moderate	
Back Pressure	20.0 to 300	psi
Cushion	0.250 to 0.500	in