

Polyfort CPP1B40HBBK

LyondellBasell Industries - Polypropylene

General Information

Product Description

Polyfort CPP1B40HBBK is a Polypropylene, Unspecified Calcium Carbonate, 40% filled material and is typically used in Injection Molding applications.

General

Filler / Reinforcement	<ul style="list-style-type: none"> Calcium Carbonate, 40% Filler by Weight
Forms	<ul style="list-style-type: none"> Pellets
Processing Method	<ul style="list-style-type: none"> Injection Molding

Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.25		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	3600	psi	ASTM D638
Tensile Elongation (Yield)	7.0	%	ASTM D638
Flexural Modulus	429000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1.2	ft-lb/in	ASTM D256
Gardner Impact	138	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