Technical Data Sheet

Matrixx CPP3C20HB

Polypropylene
LyondellBasell Industries
Engineering Plastics

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

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg)	18 g/10 min	18 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength			ASTM D638
Yield, 73°f (23°c), 0.125 In (3.18 Mm)	3290 psi	22.7 MPa	
Tensile Elongation (Yield)	11 %	11 %	ASTM D638
Flexural Modulus			ASTM D790
73°f (23°c), 0.125 In (3.18 Mm)	248000 psi	1710 MPa	
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact			ASTM D256
73°f (23°c), 0.125 In (3.18 Mm)	2.5 ft·lb/in	130 J/m	
Gardner Impact			ASTM D5420
73°f (23°c), 0.125 In (3.18 Mm)	187 in·lb	21.1 J	

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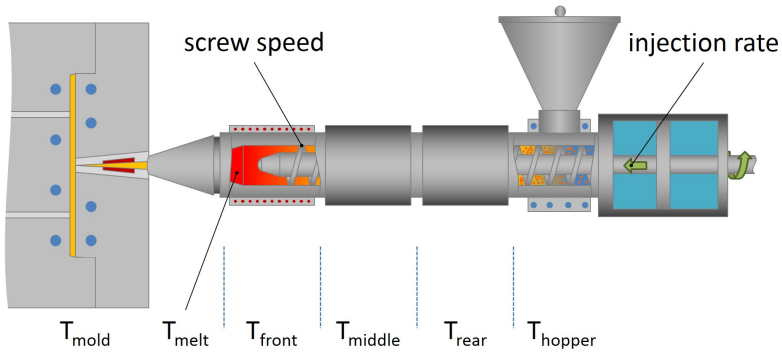

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	180 to 220 °F	82 to 104 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Rear Temperature	370 to 450 °F	188 to 232 °C
Middle Temperature	370 to 450 °F	188 to 232 °C
Front Temperature	370 to 450 °F	188 to 232 °C
Processing (Melt) Temp	390 to 450 °F	199 to 232 °C
Mold Temperature	70 to 120 °F	21 to 49 °C
Injection Rate	Moderate	Moderate
Back Pressure	20.0 to 300 psi	0.138 to 2.07 MPa
Cushion	0.250 to 0.500 in	6.35 to 12.7 mm

Notes

These are typical property values not to be construed as specification limits.