Technical Data Sheet

Matrixx CPP5B20

Polypropylene Copolymer
LyondellBasell Industries
Engineering Plastics

General	
Filler / Reinforcement	• Calcium Carbonate, 20% Filler by Weight
Features	• Copolymer
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.05	1.05 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg)	10 g/10 min	10 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (Yield)	3000 psi	20.7 MPa	ASTM D638
Flexural Modulus	170000 psi	1170 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact	No Break	No Break	ASTM D256
Gardner Impact	160 in·lb	18.1 J	ASTM D5420
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
RTI Elec	149 °F	65.0 °C	UL 746B
RTI Imp	149 °F	65.0 °C	UL 746B
RTI Str	149 °F	65.0 °C	UL 746B
Flammability	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Flame Rating (0.06 In (1.5 Mm))	HB	HB	UL 94

Additional Information

The value listed as Mold Shrinkage, ASTM D955, was tested in accordance with Matrixx test methods.

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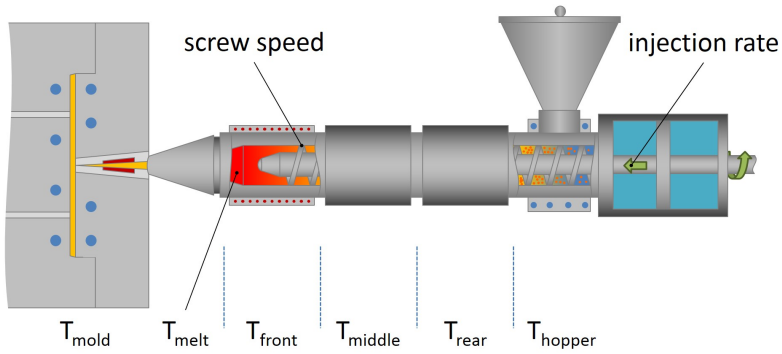

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	180 to 220 °F	82 to 104 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Rear Temperature	370 to 450 °F	188 to 232 °C
Middle Temperature	370 to 450 °F	188 to 232 °C
Front Temperature	370 to 450 °F	188 to 232 °C
Processing (Melt) Temp	390 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

Injection Notes

Drying not normally required
Injection Booster Pressure: Maximum without flash, 60% of machine maximum, target
Screw Speed: Slow to Medium

Notes

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