Technical Data Sheet

Matrixx FPP4B20CCUV

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

Product Description		
Polyfort FPP4B20CCUV is a 20% Glass-Reinforced, UV Stabilized, Chemically-Coupled Polypropylene		
General		
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight	
Features	• Chemically Coupled	• UV Stabilized
Appearance	• Colors Available	
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)	11 g/10 min	11 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (Yield, 73°f (23°c))	6740 psi	46.5 MPa	ASTM D638
Tensile Elongation (Break)	12 %	12 %	ASTM D638
Flexural Modulus	474000 psi	3270 MPa	ASTM D790
Flexural Strength	9570 psi	66.0 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact			ASTM D256
73°f (23°c), 0.125 In (3.18 Mm)	3.1 ft·lb/in	170 J/m	

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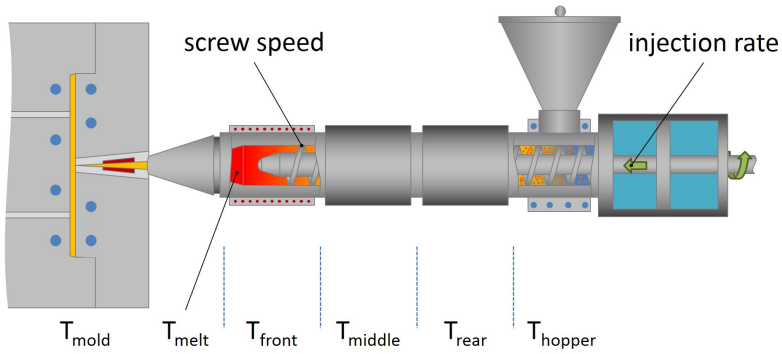

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	180 to 220 °F	82 to 104 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Rear Temperature	390 to 470 °F	199 to 243 °C
Middle Temperature	390 to 470 °F	199 to 243 °C
Front Temperature	390 to 470 °F	199 to 243 °C
Processing (Melt) Temp	390 to 470 °F	199 to 243 °C
Mold Temperature	60 to 150 °F	16 to 66 °C
Injection Rate	Moderate	Moderate
Back Pressure	< 50.0 psi	< 0.345 MPa
Screw Speed	20 to 60 rpm	20 to 60 rpm
Cushion	0.250 to 0.500 in	6.35 to 12.7 mm
Injection Notes		
Drying not normally required		

Notes

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