Technical Data Sheet

Matrixx FPP3B30HBNA

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

Product Description
FPP3B30HBNA is a 30% Glass-Reinforced, Chemically Coupled, Copolymer Polypropyelene, Natural

General	
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Features	• Homopolymer
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Melt Mass-Flow Rate (MFR)	8.5 g/10 min	8.5 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (Yield, 73°f (23°c))	10100 psi	69.3 MPa	ASTM D638
Tensile Elongation (Break)	12 %	12 %	ASTM D638
Flexural Modulus	734000 psi	5060 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)	3.3 ft·lb/in	180 J/m	
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	315 °F	157 °C	
264 Psi (1.8 Mpa), Unannealed	290 °F	143 °C	
Flammability	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Flame Rating [1]	HB	HB	UL 94

Additional Information
Melt Flow, ASTM D1238: 7-12 g/10min

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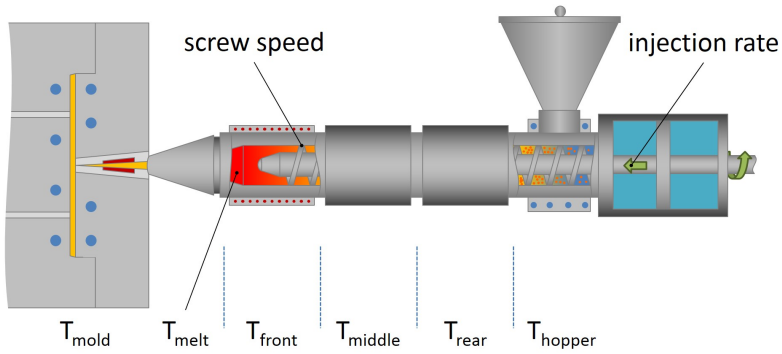

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	180 to 220 °F	82 to 104 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Rear Temperature	390 to 470 °F	199 to 243 °C
Middle Temperature	390 to 470 °F	199 to 243 °C
Front Temperature	390 to 470 °F	199 to 243 °C
Processing (Melt) Temp	390 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		