Technical Data Sheet

LyondellBasell

Matrixx FPP3B30CCUVNA

Polypropylene Copolymer
LyondellBasell Industries
Engineering Plastics

Product Description			
FPP3B30CCUVNA is a 30% Glass-Reinforced, Chemically Coupled, UV Stabilized Polypropylene Copolymer, Natural Color			
General			
Material Status	• Commercial: Active		
Availability	• North America		
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight		
Features	• Chemically Coupled	• High Impact Resistance	• UV Stabilized
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.14	1.14 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0 g/10 min	8.0 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (Yield, 73°F (23°C))	9800 psi	67.6 MPa	ASTM D638
Tensile Elongation (Yield)	10 %	10 %	ASTM D638
Flexural Modulus - Tangent	700000 psi	4830 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact	2.1 ft·lb/in	110 J/m	ASTM D256

Additional Information

1EB38A/PR4290
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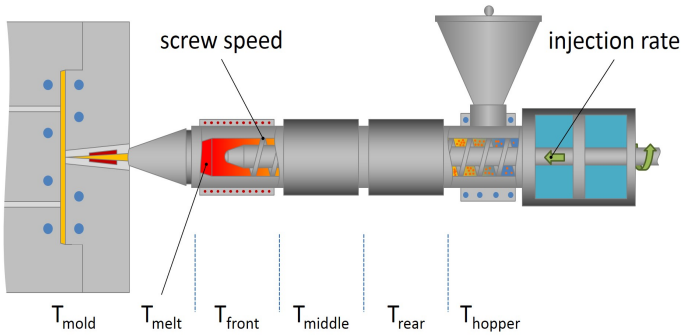

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	180 to 220 °F	82 to 104 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Rear Temperature	390 to 470 °F	199 to 243 °C
Middle Temperature	390 to 470 °F	199 to 243 °C
Front Temperature	390 to 470 °F	199 to 243 °C
Processing (Melt) Temp	390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

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit http://www.lyb.com/.

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