Technical Data Sheet

Matrixx FPP1A30HC

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

Product Description	
FPP1A30HC is a 30% Glass-Filled Polypropylene Homopolymer	

General	
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Features	• Homopolymer
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)	4.9 g/10 min	4.9 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (Yield, 73°f (23°c))	12900 psi	88.8 MPa	ASTM D638
Flexural Modulus - Tangent			ASTM D790
73°f (23°c), 0.125 In (3.18 Mm)	901000 psi	6220 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)	1.8 ft·lb/in	96 J/m	

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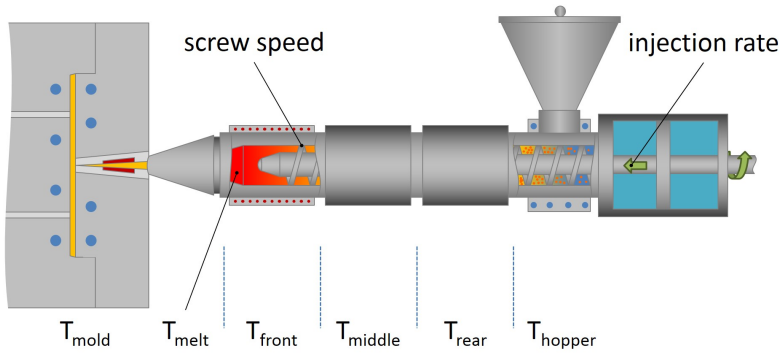

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	180 to 220 °F	82 to 104 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Rear Temperature	390 to 470 °F	199 to 243 °C
Middle Temperature	390 to 470 °F	199 to 243 °C
Front Temperature	390 to 470 °F	199 to 243 °C
Processing (Melt) Temp	390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