Technical Data Sheet

Matrixx FPP2A20HSNA

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

Product Description
FPP2A20HSNA is a 20% Glass-Reinforced, Chemically Coupled, Heat Stabilized Polypropylene Homopolymer

General		
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight	
Features	• Chemically Coupled	• Heat Stabilized
Appearance	• Natural Color	
Forms	• Pellets	
Processing Method	• Injection Molding	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.04	1.04 g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)	2.0 g/10 min	2.0 g/10 min	ISO 1133
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (Yield, 73°f (23°c))	8700 psi	60.0 MPa	ISO 527
Flexural Modulus - Tangent	544000 psi	3750 MPa	ISO 178
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ISO 75-2
66 Psi (0.45 Mpa), Unannealed	315 °F	157 °C	
264 Psi (1.8 Mpa), Unannealed	275 °F	135 °C	

Additional Information
1F856A/PR0628 Revision: 5/2/2020

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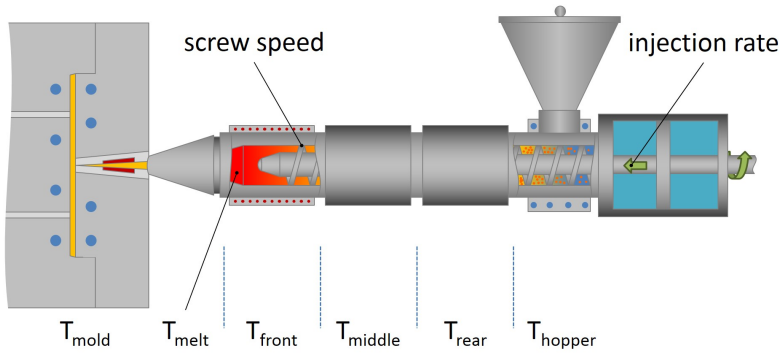

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	180 to 220 °F	82 to 104 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Rear Temperature	390 to 470 °F	199 to 243 °C
Middle Temperature	390 to 470 °F	199 to 243 °C
Front Temperature	390 to 470 °F	199 to 243 °C
Processing (Melt) Temp	390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