

Polyfort FPP2A20HSNANAT

LyondellBasell Industries - Polypropylene Homopolymer

General Information

Product Description

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

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	2.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 73°F)	8700	psi	ISO 527-2
Flexural Modulus - Tangent	544000	psi	ISO 178
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	315	°F	ISO 75-2/B
Deflection Temperature Under Load 264 psi, Unannealed	275	°F	ISO 75-2/A

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180 to 219	°F
Drying Time	2.0 to 4.0	hr
Rear Temperature	390 to 469	°F
Middle Temperature	390 to 469	°F
Front Temperature	390 to 469	°F
Processing (Melt) Temp	390 to 469	°F
Mold Temperature	61 to 151	°F
Injection Rate	Moderate	
Back Pressure	< 50.0	psi
Screw Speed	20 to 60	rpm
Cushion	0.250 to 0.500	in