

Polyfort FPP3B30HB BLACK

LyondellBasell Industries - Polypropylene Homopolymer

General Information

Product Description

FPP3B30HBBK is a 30% Glass-Reinforced, Heat-Stabilized Polypropylene

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.14		ASTM D792
Melt Mass-Flow Rate (MFR)	8.7	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	9300	psi	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus - Tangent	682000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	3.0	ft-lb/in	ASTM D256
Gardner Impact	15.0	in-lb	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	315	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	289	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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