

Technical Data Sheet

Polyfort FPP1A10HBNANAT



Polypropylene, Homopolymer

Product Description

FPP1A10HBNA is a 10% Glass-Reinforced Polypropylene Homopolymer

Regulatory Status

For regulatory compliance information, see FPP1A10HBNANAT [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
Processing Method	Injection Molding
Attribute	Homopolymer
Forms	Pellets
Appearance	Natural Color
Filler/Reinforcement	Glass Fiber, 10%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	4.0	g/10 min	ASTM D1238
Mechanical			
Tensile Elongation at Yield	12	%	ASTM D638
Tensile Strength at Yield, (23 °C)	51.0	MPa	ASTM D638
Flexural Modulus, (23 °C, 3.18 mm)	2690	MPa	ASTM D790
Impact			
Notched Izod Impact, (23 °C, 3.18 mm)	53	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (66 psi)	149	°C	ASTM D648



Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 4.0	hr
Drying Temperature	82 to 104	°C
Screw Speed	20 to 60	rpm
Processing (Melt) Temp	199 to 243	°C
Front Temperature	199 to 243	°C
Middle Temperature	199 to 243	°C
Rear Temperature	199 to 243	°C
Injection Rate	Moderate	
Back Pressure	<0.345	MPa
Mold Temperature	16 to 66	°C
Cushion	6.35 to 12.7	mm

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.

Company Information

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

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