

Technical Data Sheet

Matrixx FPP3B15CC

Polypropylene Homopolymer
 LyondellBasell Industries
 Engineering Plastics

Product Description

FPP3B15CC is a 15% Glass-Reinforced, Chemically Coupled, Hi-Impact Polypropylene

General

Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight
Features	• Chemically Coupled • High Impact Resistance
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
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Density / Specific Gravity	1.00	0.998 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	8.0 g/10 min	8.0 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
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Tensile Strength (Yield, 73°F (23°C))	6700 psi	46.2 MPa	ASTM D638
Flexural Modulus - Tangent	350000 psi	2410 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
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Notched Izod Impact	2.8 ft-lb/in	150 J/m	ASTM D256
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Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
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Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	300 °F	149 °C	
264 Psi (1.8 Mpa), Unannealed	245 °F	118 °C	

Additional Information

1F876A/PR1259
 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.