

Technical Data Sheet

# Matrixx FPP2B10CC

Polypropylene Homopolymer  
 LyondellBasell Industries  
 Engineering Plastics

General	
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight
Features	• Good Stiffness • Homopolymer
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	5.0 to 10 g/10 min	5.0 to 10 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield, 74°F (23°C))	6500 psi	44.8 MPa	ASTM D638
Flexural Modulus - Tangent	300000 psi	2070 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), 0.125 In (3.18 Mm)	0.80 ft·lb/in	43 J/m	ASTM D256

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature - Desiccant Dryer	160 °F	71 °C
Drying Time - Desiccant Dryer	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 <sup>1</sup>	< 50.0 psi	< 0.345 MPa
Screw Speed	50 to 150 rpm	50 to 150 rpm
Cushion	0.250 to 0.500 in	6.35 to 12.7 mm

**Injection Notes**

Drying not normally required. As needed for aesthetics only.