Technical Data Sheet

Matrixx FPP2B05CC

Polypropylene
LyondellBasell Industries
Engineering Plastics

Product Description	
FPP2B05CC is a 5% Glass-Reinforced, Chemically-Coupled Polypropylene	
General	
Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 5.0% Filler by Weight
Features	• Chemically Coupled
Appearance	• Colors Available
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)	6.3 g/10 min	6.3 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (Yield, 74°f (23°c))	5640 psi	38.9 MPa	ASTM D638
Tensile Elongation (Break)	18 %	18 %	ASTM D638
Flexural Modulus	292000 psi	2010 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact (73°f (23°c))	1.4 ft·lb/in	75 J/m	ASTM D256

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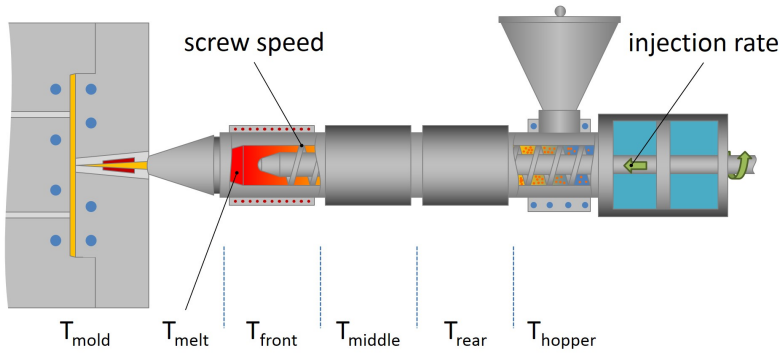

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature - Desiccant Dryer	160 °F	71 °C
Drying Time - Desiccant Dryer	2.0 to 4.0 hr	2.0 to 4.0 hr
Rear Temperature	390 to 470 °F	199 to 243 °C
Middle Temperature	390 to 470 °F	199 to 243 °C
Front Temperature	390 to 470 °F	199 to 243 °C
Processing (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 [1]	< 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.