



Technical Data Sheet

# Matrixx FP62E15

Polyamide 6  
LyondellBasell Industries  
Engineering Plastics

**Product Description**

15& Glass Reinforced Nylon 6

**General**

Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
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Density / Specific Gravity	1.23	1.23 g/cm <sup>3</sup>	ASTM D792
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Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
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Tensile Strength (Break)	14300 psi	98.8 MPa	ASTM D638
Flexural Modulus	700000 psi	4830 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
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Notched Izod Impact	0.70 ft·lb/in	37 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 264 Psi (1.8 Mpa), Unannealed	380 °F	193 °C	ASTM D648
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**Additional Information**

1E8M7A/PR0972  
Revision: 5/2/2020

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	160 to 200 °F	71 to 93 °C
Drying Time	4.0 to 6.0 hr	4.0 to 6.0 hr
Suggested Max Moisture	0.10 %	0.10 %
Rear Temperature	480 to 540 °F	249 to 282 °C
Middle Temperature	500 to 540 °F	260 to 282 °C
Front Temperature	500 to 540 °F	260 to 282 °C
Processing (Melt) Temp	480 to 540 °F	249 to 282 °C
Mold Temperature	180 to 200 °F	82 to 93 °C
Injection Rate	Moderate-Fast	Moderate-Fast
Back Pressure	< 50.0 psi	< 0.345 MPa
Cushion	0.250 to 0.500 in	6.35 to 12.7 mm

**Injection Notes**

Dessicant dryer with -20°F dewpoint  
Screw Speed: Slow to Medium

**Notes**

These are typical property values not to be construed as specification limits.