Technical Data Sheet

Matrixx F662E15

Polyamide 66
LyondellBasell Industries
Engineering Plastics

Product Description	
15% glass reinforced Nylon 6,6	
General	
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.22	1.22 g/cm³	ASTM D792
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (Yield)	15300 psi	106 MPa	ASTM D638
Tensile Elongation (Yield)	9.0 %	9.0 %	ASTM D638
Flexural Modulus	724000 psi	5000 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact	0.67 ft·lb/in	36 J/m	ASTM D256

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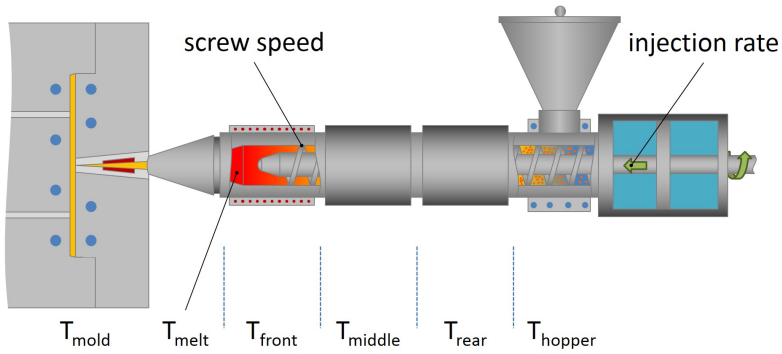

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	160 to 180 °F	71 to 82 °C
Drying Time	4.0 to 6.0 hr	4.0 to 6.0 hr
Rear Temperature	480 to 520 °F	249 to 271 °C
Middle Temperature	480 to 520 °F	249 to 271 °C
Front Temperature	480 to 540 °F	249 to 282 °C
Processing (Melt) Temp	500 to 540 °F	260 to 282 °C
Mold Temperature	150 to 200 °F	66 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.