

Technical Data Sheet

# Matrixx 662E0HLBK

Polyamide 66  
 LyondellBasell Industries  
 Engineering Plastics

**Product Description**

Heat Stabilized, Lubricated, Nylon 66

**General**

Features	<ul style="list-style-type: none"> <li>Heat Stabilized</li> <li>Lubricated</li> </ul>
Forms	<ul style="list-style-type: none"> <li>Pellets</li> </ul>
Processing Method	<ul style="list-style-type: none"> <li>Injection Molding</li> </ul>

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
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Density / Specific Gravity	1.14	1.14 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 (Yield)	11700 psi	80.7 MPa	ASTM D638
Flexural Modulus - Tangent	450000 psi	3100 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
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Notched Izod Impact	0.80 ft·lb/in	43 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	385 °F	196 °C	
264 Psi (1.8 Mpa), Unannealed	158 °F	70.0 °C	

**Additional Information**

1E9V8A/PR2313  
 Revision: 5/2/2020

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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 hr	4.0 hr
Rear Temperature	480 to 560 °F	249 to 293 °C
Middle Temperature	480 to 560 °F	249 to 293 °C
Front Temperature	480 to 560 °F	249 to 293 °C
Processing (Melt) Temp	520 to 560 °F	271 to 293 °C
Mold Temperature	125 to 180 °F	52 to 82 °C
Injection Rate	Moderate-Fast	Moderate-Fast
Back Pressure	< 100 psi	< 0.689 MPa
Cushion	0.125 to 0.250 in	3.18 to 6.35 mm

**Injection Notes**

- 20°C Dewpoint
- Screw Speed: Medium

**Notes**

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