



Technical Data Sheet

# Matrixx P63E0

Polyamide 6  
 LyondellBasell Industries  
 Engineering Plastics

**Product Description**

Unfilled, Medium Impact, Nylon 6

**General**

- |                   |                     |
|-------------------|---------------------|
| Forms             | • Pellets           |
| Processing Method | • Injection Molding |

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)	10800 psi	74.5 MPa	ASTM D638
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Flexural Modulus - Tangent	410000 psi	2830 MPa	ASTM D790
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Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
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Notched Izod Impact	1.5 ft·lb/in	80 J/m	ASTM D256
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**Additional Information**

1E9G4A/PR1450  
 Revision: 5/4/2020

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	180 °F	82 °C
Drying Time	4.0 to 6.0 hr	4.0 to 6.0 hr
Suggested Max Moisture	0.10 %	0.10 %
Rear Temperature	470 to 520 °F	243 to 271 °C
Middle Temperature	470 to 520 °F	243 to 271 °C
Front Temperature	470 to 520 °F	243 to 271 °C
Processing (Melt) Temp	460 to 520 °F	238 to 271 °C
Mold Temperature	140 to 180 °F	60 to 82 °C
Injection Rate	Moderate	Moderate
Back Pressure	< 50.0 psi	< 0.345 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.