

Technical Data Sheet

Matrixx 662E0HLBK

Polyamide 66
LyondellBasell Industries
Engineering Plastics

Product Description

Heat Stabilized, Lubricated, Nylon 66

General

Features	• Heat Stabilized	• Lubricated
Forms	• Pellets	
Processing Method	• Injection Molding	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.14	1.14 g/cm ³	ASTM D792
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
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
Notched Izod Impact	0.80 ft·lb/in	43 J/m	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
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
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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.