

## Technical Data Sheet

# Matrixx 14N4002

Polypropylene  
LyondellBasell Industries  
Engineering Plastics

General			
Material Status	• Commercial: Active		
Availability	• North America		
Additive	• Flame Retardant		
Features	• Flame Retardant		
Forms	• Pellets		

  

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.990	0.988 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	8.0 g/10 min	8.0 g/10 min	ASTM D1238

  

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	4400 psi	30.3 MPa	ASTM D638
Flexural Modulus - Tangent	185000 psi	1280 MPa	ASTM D790

  

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	1.5 ft·lb/in	80 J/m	ASTM D256
Gardner Impact	130 in·lb	14.7 J	ASTM D5420

  

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 66 Psi (0.45 Mpa), Unannealed	195 °F	90.6 °C	ASTM D648
RTI Str	200 °F	93.3 °C	UL 746B

  

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.06 In (1.5 Mm))	V-0	V-0	UL 94

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	180 °F	82 °C
Rear Temperature	350 to 420 °F	177 to 216 °C
Middle Temperature	350 to 440 °F	177 to 227 °C
Front Temperature	350 to 440 °F	177 to 227 °C
Nozzle Temperature	350 to 440 °F	177 to 227 °C
Processing (Melt) Temp	360 to 440 °F	182 to 227 °C
Mold Temperature	90 to 150 °F	32 to 66 °C
Injection Rate	Slow-Moderate	Slow-Moderate
Back Pressure	< 100 psi	< 0.689 MPa
Cushion	0.250 to 0.500 in	6.35 to 12.7 mm

**Notes**

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