

Technical Data Sheet

Matrixx 14N5003

Polypropylene
 LyondellBasell Industries
 Engineering Plastics

General	
Material Status	• Commercial: Active
Availability	• North America
Additive	• Flame Retardant
Features	• Flame Retardant
UL File Number	• E158835
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.00	0.998 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	12 g/10 min	12 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	3500 psi	24.1 MPa	ASTM D638
Flexural Modulus - Tangent	175000 psi	1210 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	2.5 ft·lb/in	130 J/m	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 66 Psi (0.45 Mpa), Unannealed	185 °F	85.0 °C	ASTM D648
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating			UL 94
0.06 In (1.5 Mm), All	V-0	V-0	
0.12 In (3.0 Mm), All	V-0	V-0	

Additional Information
 The value listed as Mold Shrinkage, Linear-Flow, ASTM D955, was tested in accordance with Matrixx test methods.

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