

Technical Data Sheet

Matrixx 14N4003

Polypropylene
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 ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0 g/10 min	8.0 g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.125 in (3.18 mm))	0.016 to 0.022 in/in	1.6 to 2.2 %	Internal Method

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	3300 psi	22.8 MPa	ASTM D638
Flexural Modulus - Tangent	145000 psi	1000 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	3.0 ft·lb/in	160 J/m	ASTM D256
Gardner Impact	170 in·lb	19.2 J	ASTM D5420

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
RTI Str	200 °F	93.3 °C	UL 746

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

Notes

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