

Technical Data Sheet
Matrixx 15A4201
 Polypropylene
 Engineering Plastics



General	
Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Talc, 20% Filler by Weight
Additive	• Flame Retardant
Features	• Flame Retardant
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.37	1.37 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))	7.0E-3 to 0.010 in/in	0.70 to 1.0 %	Internal Method

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	3000 psi	20.7 MPa	ASTM D638
Flexural Modulus - Tangent	350000 psi	2410 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	1.0 ft·lb/in	53 J/m	ASTM D256
Gardner Impact	70.0 in·lb	7.91 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed	240 °F	116 °C	
264 psi (1.8 MPa), Unannealed	155 °F	68.3 °C	
RTI Str	221 °F	105 °C	UL 746

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating			UL 94
0.06 in (1.5 mm)	V-0	V-0	
0.12 in (3.0 mm)	5VA	5VA	

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

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