

Technical Data

Product Description

Unreinforced grades. High slidability. Wear resistance and low coefficient of friction are realized using our unique formulation technology. More slidable than N1001A.

Genestar™
N1002A

Application examples
Automotive applications

Generic
Nylon 9T

This data represents typical values that have been calculated from all products classified as: Generic Nylon 9T

This information is provided for comparative purposes only.

General	Genestar™ N1002A	Generic Nylon 9T
Manufacturer / Supplier	• Kuraray Co., Ltd.	• Generic
Generic Symbol	• Nylon 9T	• Nylon 9T
Material Status	• Commercial: Active	• Commercial: Active
Literature ¹	• Technical Datasheet (English)	--
Search for UL Yellow Card	• Kuraray Co., Ltd. • Genestar™	--
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America • North America	• Africa & Middle East • Asia Pacific • Europe • Latin America • North America
Features	• Low Friction • Wear Resistant	--
Uses	• Automotive Applications	--

Physical	Genestar™ N1002A	Generic Nylon 9T	Unit	Test Method
Density	--	1.06 to 1.61	g/cm ³	ISO 1183
	1.17	--	g/cm ³	ISO 1183/A
Molding Shrinkage	--	1.2 to 1.7	%	ISO 294-4
	--	1.2 to 1.7	%	
Across Flow : 0.0787 in	1.5	--	%	
Flow : 0.0787 in	1.4	--	%	
Water Absorption (24 hr, 73°F)	0.25	--	%	ISO 62

Mechanical	Genestar™ N1002A	Generic Nylon 9T	Unit	Test Method
Tensile Stress	11600	--	psi	ISO 527-2
Tensile Strain (Break)	5.0	--	%	ISO 527-2
Flexural Modulus	363000	--	psi	ISO 178
Flexural Stress	16700	--	psi	ISO 178
Coefficient of Friction ³ (Dynamic)	0.25	--		JIS K7218
Abrasion Loss ³	5.0	--	mg	JIS K7218
Limiting Pressure Velocity	1150.0	--	kg/cm/sec	JIS K7218



Impact	Genestar™ N1002A	Generic Nylon 9T	Unit	Test Method
Charpy Notched Impact Strength	2.4	--	ft·lb/in ²	ISO 179/1eA
Thermal	Genestar™ N1002A	Generic Nylon 9T	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	257	--	°F	ISO 75-2/Af
Glass Transition Temperature	257	--	°F	
Melting Temperature	572	--	°F	ISO 11357-3

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

³ P=10kgf/cm²

