



HYLON® N1000STL

Ravago Manufacturing Americas - Polyamide 66

Monday, November 4, 2019

General Information

Product Description

Nylon 66, Superior Toughness

General

Material Status	• Commercial: Active
Availability	• North America
Features	• High Toughness
RoHS Compliance	• RoHS Compliant
Automotive Specifications	• CHRYSLER MS-DB-41 CPN2345 Color: Black • CHRYSLER MS-DB-41 CPN2424 Color: Natural • GM GMP.PA66.021 Color: Black • GM GMP.PA66.021 Color: Natural
UL File Number	• E157012

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm ³	ISO 1183
Molding Shrinkage - Flow (0.125 in)	1.7 to 2.1	%	ISO 294-4
Water Absorption (24 hr, 73°F)	0.80	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	7540	psi	ISO 527-2
Tensile Strain (Break)	55	%	ISO 527-2
Flexural Modulus	250000	psi	ISO 178
Flexural Stress	9860	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	38	ft·lb/in ²	ISO 179
Notched Izod Impact Strength	38	ft·lb/in ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (66 psi, Unannealed)	424	°F	ISO 75-2/B
Heat Deflection Temperature (264 psi, Unannealed)	140	°F	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		UL 94

Notes

¹ Typical properties: these are not to be construed as specifications.