



# HYLON® N1000EHL

Ravago Manufacturing Americas - Polyamide 66

Wednesday, January 29, 2020

## General Information

### Product Description

Nylon 66

### General

Material Status	• Commercial: Active	
Availability	• North America	
RoHS Compliance	• RoHS Compliant	
Automotive Specifications	• CHRYSLER MS-DB-41 CPN3490 Color: Black 155	• CHRYSLER MS-DB-41 CPN3490 Color: Natural
UL File Number	• E157012	

## ASTM & ISO Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage - Flow (0.125 in)	1.4 to 1.6	%	ISO 294-4
Water Absorption (24 hr, 73°F)	1.1	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	12000	psi	ISO 527-2
Tensile Strain (Break)	25	%	ISO 527-2
Flexural Modulus	421000	psi	ISO 178
Flexural Stress	12500	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
--	3.1	ft·lb/in <sup>2</sup>	
-22°F	2.5	ft·lb/in <sup>2</sup>	
Notched Izod Impact Strength	2.6	ft·lb/in <sup>2</sup>	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (66 psi, Unannealed)	392	°F	ISO 75-2/B
Heat Deflection Temperature (264 psi, Unannealed)	158	°F	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in	V-2		
0.12 in	V-2		

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.