



# HYLON® N1040MHL

Ravago Manufacturing Americas - Polyamide 66

Monday, January 20, 2020

## General Information

### Product Description

Nylon 66, 40% Mineral Filled

### General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Mineral, 40% Filler by Weight
RoHS Compliance	• RoHS Compliant
UL File Number	• E157012

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

Physical	Nominal Value	Unit	Test Method
Density	1.50	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage - Flow (3.18 mm)	0.70 to 1.0	%	ISO 294-4
Water Absorption (24 hr, 23°C)	0.60	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	97.0	MPa	ISO 527-2
Tensile Strain (Break)	1.5	%	ISO 527-2
Flexural Modulus	8400	MPa	ISO 178
Flexural Stress	159	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.0	kJ/m <sup>2</sup>	ISO 179
Notched Izod Impact Strength	4.0	kJ/m <sup>2</sup>	ISO 180
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	94		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	238	°C	ISO 75-2/B
Heat Deflection Temperature (1.8 MPa, Unannealed)	193	°C	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.5 mm)	HB		UL 94

### Notes

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