



# HYLON® N1013HL NAT

Ravago Manufacturing Americas - Polyamide 66

Tuesday, December 14, 2021

## General Information

### Product Description

PA 66, 13% Glass Fiber Reinforced, Heat Stabilized, Lubricated, Natural Color

### General

Material Status	• Commercial: Active	
Availability	• North America	
Filler / Reinforcement	• Glass Fiber, 13% Filler by Weight	
Additive	• Heat Stabilizer	• Lubricant
Features	• Heat Stabilized	• Lubricated
RoHS Compliance	• RoHS Compliant	
Appearance	• Natural Color	

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

Physical	Dry	Conditioned	Unit	Test Method
Density	1.24	--	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage - Flow (0.125 in)	0.60 to 0.90	--	%	ISO 294-4
Water Absorption (24 hr, 73°F)	1.0	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress (Break)	16500	10600	psi	ISO 527-2
Tensile Strain (Break)	2.5	10	%	ISO 527-2
Flexural Modulus	740000	431000	psi	ISO 178
Flexural Stress	26100	15100	psi	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	1.9	3.3	ft·lb/in <sup>2</sup>	ISO 179
Notched Izod Impact Strength	1.9	3.3	ft·lb/in <sup>2</sup>	ISO 180
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load 66 psi, Unannealed	491	--	°F	ISO 75-2/B
Deflection Temperature Under Load 264 psi, Unannealed	455	--	°F	ISO 75-2/A
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94
0.06 in	HB	--		
0.12 in	HB	--		

### Notes

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