



HYLON® N1045HL

Ravago Manufacturing Americas - Polyamide 66

Monday, November 4, 2019

General Information

Product Description

Nylon 66, 45% Glass Filled

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 45% Filler by Weight
RoHS Compliance	• RoHS Compliant
UL File Number	• E157012

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.49	g/cm ³	ISO 1183
Molding Shrinkage - Flow (0.125 in)	0.30 to 0.50	%	ISO 294-4
Water Absorption (24 hr, 73°F)	0.60	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	31000	psi	ISO 527-2
Tensile Strain (Break)	1.5	%	ISO 527-2
Flexural Modulus	1.60E+6	psi	ISO 178
Flexural Stress	42900	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.8	ft·lb/in ²	ISO 179
Notched Izod Impact Strength	4.8	ft·lb/in ²	ISO 180
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	103		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Unannealed)	489	°F	ISO 75-2/A

Notes

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