



HYLON® N2033STHL

Ravago Manufacturing Americas - Polyamide 6

Monday, January 20, 2020

General Information

Product Description

Nylon 6, 33% Glass Filled, Superior Toughness

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 33% Filler by Weight
Features	• High Toughness
RoHS Compliance	• RoHS Compliant
UL File Number	• E157012

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm ³	ISO 1183
Molding Shrinkage - Flow (3.18 mm)	0.30 to 0.50	%	ISO 294-4
Water Absorption (24 hr, 23°C)	0.90	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	131	MPa	ISO 527-2
Tensile Strain (Break)	3.5	%	ISO 527-2
Flexural Modulus	6210	MPa	ISO 178
Flexural Stress	165	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	16	kJ/m ²	ISO 179
Notched Izod Impact Strength	16	kJ/m ²	ISO 180
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	80		ISO 2039-2

Notes

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