



HYLON® N1035STHL

Ravago Manufacturing Americas - Polyamide 66

Monday, November 4, 2019

General Information

Product Description

Nylon 66, 35% Glass Filled, Superior Toughness

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 35% Filler by Weight
Features	• High Toughness
Automotive Specifications	• FORD WSS-M4D703-B1

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.34	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)	0.40	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	19600	psi	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	1.23E+6	psi	ISO 178
Flexural Stress	28000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-40°F	6.2	ft·lb/in ²	
73°F	10	ft·lb/in ²	
Notched Izod Impact Strength	10	ft·lb/in ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (66 psi, Unannealed)	486	°F	ISO 75-2/B
Heat Deflection Temperature (264 psi, Unannealed)	469	°F	ISO 75-2/A

Notes

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