



HYLON® N1200THL

Ravago Manufacturing Americas - Polyamide 66

Monday, November 4, 2019

General Information

Product Description

Nylon 66, Impact Modified

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Impact Modifier
Features	• Impact Modified
RoHS Compliance	• RoHS Compliant
Automotive Specifications	• FORD WSS-M4D706-B1
UL File Number	• E157012

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.11	g/cm ³	ISO 1183
Molding Shrinkage - Flow (0.125 in)	1.7 to 2.1	%	ISO 294-4
Water Absorption (24 hr, 73°F)	1.2	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	8990	psi	ISO 527-2
Tensile Strain (Break)	25	%	ISO 527-2
Flexural Modulus	350000	psi	ISO 178
Flexural Stress	40000	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)	110		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (66 psi, Unannealed)	441	°F	ISO 75-2/B
Heat Deflection Temperature (264 psi, Unannealed)	154	°F	ISO 75-2/A

Notes

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