



HYLON® N1000THL

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	• CHRYSLER MS-DB-41 CPN1826 Color: Black • CHRYSLER MS-DB-41 CPN2055 Color: Black • CHRYSLER MS-DB-41 CPN2055 Color: Natural • FORD WSK-M4D706-A Color: Black • FORD WSK-M4D706-A Color: Natural • FORD WSS-M4D706-B1 Color: Black • FORD WSS-M4D706-B1 Color: Natural • GM GMP.PA66.009 Color: Black • GM GMP.PA66.009 Color: Natural • GM GMP.PA66.015 Color: Black • GM GMP.PA66.015 Color: Natural • GM GMW16447P-PA66-T2 Color: Black • GM GMW16447P-PA66-T2 Color: Natural • SAE J1639 PA0171 Color: Black • SAE J1639 PA0171 Color: Colors • SAE J1639 PA0171 Color: Natural
UL File Number	• E157012

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Molding Shrinkage - Flow (0.125 in)	1.6 to 2.0	%	ISO 294-4
Water Absorption (24 hr, 73°F)	1.2	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	9430	psi	ISO 527-2
Tensile Strain (Break)	40	%	ISO 527-2
Flexural Modulus	315000	psi	ISO 178
Flexural Stress	11000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	7.1	ft-lb/in ²	ISO 179
Notched Izod Impact Strength	7.1	ft-lb/in ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (66 psi, Unannealed)	442	°F	ISO 75-2/B
Heat Deflection Temperature (264 psi, Unannealed)	160	°F	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in		HB	
0.12 in		HB	

Notes

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