



HYLON® N2040MHL

Ravago Manufacturing Americas - Polyamide 6

Monday, November 4, 2019

General Information

Product Description

Nylon 6, 40% Mineral Filled

General

Material Status	• Commercial: Active	
Availability	• North America	
Filler / Reinforcement	• Mineral, 40% Filler by Weight	
RoHS Compliance	• RoHS Compliant	
Automotive Specifications	• CHRYSLER MS-DB-41 CPN2931 Color: Black	• CHRYSLER MS-DB-41 CPN2931 Color: Natural
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)	0.50 to 0.70	%	ISO 294-4
Water Absorption (24 hr, 73°F)	1.1	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	13100	psi	ISO 527-2
Tensile Strain (Break)	1.5	%	ISO 527-2
Flexural Modulus	850000	psi	ISO 178
Flexural Stress	18600	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	1.9	ft·lb/in ²	ISO 179
Notched Izod Impact Strength	1.9	ft·lb/in ²	ISO 180
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	119		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Unannealed)	248	°F	ISO 75-2/A

Notes

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