



HYLON® N1035HHR

Ravago Manufacturing Americas - Polyamide 66

Monday, November 4, 2019

General Information

Product Description

N1035HHR

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Nylon 66, 35% Glass Filled, Hydrolysis Resistant in Automotive Coolant

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 35% Filler by Weight
Features	• Hydrolysis Resistant
RoHS Compliance	• RoHS Compliant
Automotive Specifications	• CHRYSLER MS-DB-41 CPN2727 Color: Black • FORD WSK-M4D752-A Color: Black • GM GMP.PA66.054 Color: Black • GM GMP.PA66.054 Color: Natural
UL File Number	• E157012
Forms	• Pellets

ASTM & ISO Properties¹

Physical	Dry	Conditioned	Unit	Test Method
Density	1.39	1.39	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)	0.0	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress (Break)	28000	20500	psi	ISO 527-2
Tensile Strain (Break)	2.0	3.0	%	ISO 527-2
Flexural Modulus	1.40E+6	950000	psi	ISO 178
Flexural Stress	40000	29000	psi	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	4.3	4.8	ft·lb/in ²	ISO 179
Notched Izod Impact Strength	4.3	4.8	ft·lb/in ²	ISO 180
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (M-Scale)	104	--		ISO 2039-2
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature 264 psi, Unannealed	475	--	°F	ISO 75-2/A

Notes

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