

Hylon® N1040MGL

Polyamide 66

Ravago Manufacturing Americas, LLC

Message:

Nylon 66, 25% Mineral / 15% Glass Filled

General Information			
UL YellowCard	E157012-224021		
Filler / Reinforcement	Glass Fiber,15% Filler by Weight Mineral,25% Filler by Weight		
RoHS Compliance	RoHS Compliant		
UL File Number	E157012		
Physical	Nominal Value	Unit	Test Method
Density	1.39	g/cm ³	ISO 1183
Molding Shrinkage - Flow (3.18 mm)	0.40 to 0.70	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.80	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	98		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	131	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	9100	MPa	ISO 178
Flexural Stress	186	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	4.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	260	°C	ISO 75-2/B
1.8 MPa, Unannealed	235	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94

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