

Hylon® N1043HL

Polyamide 66

Ravago Manufacturing Americas, LLC

Message:

Nylon 66, 43% Glass Filled

General Information			
UL YellowCard	E157012-224024	E157012-224016	
Filler / Reinforcement	Glass Fiber,43% Filler by Weight		
RoHS Compliance	RoHS Compliant		
UL File Number	E157012		
Physical	Nominal Value	Unit	Test Method
Density	1.49	g/cm³	ISO 1183
Molding Shrinkage - Flow (3.18 mm)	0.30 to 0.50	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.60	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	103		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	214	MPa	ISO 527-2
Tensile Strain (Break)	1.5	%	ISO 527-2
Flexural Modulus	11000	MPa	ISO 178
Flexural Stress	296	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	10	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	254	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	HB		
3.00 mm	HB		

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