

Hylon® N1200STHL

Polyamide 66

Ravago Manufacturing Americas, LLC

Message:

Nylon 66, Superior Toughness

General Information			
Features	Good Toughness		
RoHS Compliance	RoHS Compliant		
UL File Number	E157012		
Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm ³	ISO 1183
Molding Shrinkage - Flow (3.18 mm)	1.7 to 2.1	%	ISO 294-4
Water Absorption (23°C, 24 hr)	1.2	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	105		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	52.0	MPa	ISO 527-2
Tensile Strain (Break)	50	%	ISO 527-2
Flexural Modulus	1760	MPa	ISO 178
Flexural Stress	69.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	62	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	216	°C	ISO 75-2/B
1.8 MPa, Unannealed	57.0	°C	ISO 75-2/A

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