

Hylon® N1013HL

Polyamide 66

Ravago Manufacturing Americas, LLC

Technical Data

Product Description

Nylon 66, 13% Glass Filled

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet (English)
UL Yellow Card ²	• E157012-224016
Search for UL Yellow Card	• Ravago Manufacturing Americas, LLC • Hylon®
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 13% Filler by Weight
RoHS Compliance	• RoHS Compliant
UL File Number	• E157012

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.23 g/cm ³	1.23 g/cm ³	ISO 1183
Molding Shrinkage - Flow (0.125 in (3.18 mm))	0.60 to 0.90 %	0.60 to 0.90 %	ISO 294-4
Water Absorption (73°F (23°C), 24 hr)	1.0 %	1.0 %	ISO 62
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Break)	17100 psi	118 MPa	ISO 527-2
Tensile Strain (Break)	2.5 %	2.5 %	ISO 527-2
Flexural Modulus	725000 psi	5000 MPa	ISO 178
Flexural Stress	26000 psi	179 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact Strength	1.9 ft·lb/in ²	4.0 kJ/m ²	ISO 180
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	455 °F	235 °C	ISO 75-2/A
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating			UL 94
0.06 in (1.5 mm)	HB	HB	
0.12 in (3.0 mm)	HB	HB	