

Ravago Manufacturing Americas Hylon® N1213HL BK Nylon 6/6

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Reinforced, Impact Grade

Material Notes:

Available in North America Filler: Glass Fiber Reinforcement, 13% Filler by Weight Additive: Heat Stabilizer and Lubricant Features: Lubricated and Heat Stabilized RoHS Compliant Form: Pellets Processing Method: Injection Molding Color: Black Information provided by Ravago.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ravago-Manufacturing-Americas-Hylon-N1213HL-BK-Nylon-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.23 g/cc	1.23 g/cc	ASTM D792
Density	1.23 g/cc	0.0444 lb/in ³	ISO 1183
Water Absorption	1.0 % @Time 86400 sec	1.0 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.00060 - 0.00090 cm/cm	0.00060 - 0.00090 in/in	ASTM D955 and ISO 294-4

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	95	95	ASTM D785
Tensile Strength at Break	103 MPa	14900 psi	ISO 527-2
	103 MPa	15000 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Strength	165 MPa	23900 psi	ISO 178
	165 MPa	24000 psi	ASTM D790
Flexural Modulus	4.48 GPa	650 ksi	ASTM D790
	4.48 GPa	650 ksi	ISO 178
Izod Impact, Notched	0.374 J/cm	0.700 ft-lb/in	ASTM D256
Izod Impact, Notched (ISO)	2.94 kJ/m ²	1.40 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	27.0 µm/m-°C	15.0 µin/in-°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	129 °C	264 °F	Unannealed; ASTM D648

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