

Ravago Manufacturing Americas Hylon® N1240MGHL BK Nylon 6/6

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass/Mineral Filled

Material Notes:

Available in North America Filler: Glass Fiber Reinforcement - 15% Filler by Weight, Mineral - 25% Filler by Weight Additive: Heat Stabilizer and Lubricant Features: Lubricated, Low Warpage and Heat Stabilized RoHS Compliant Auto Specifications: GM GMP.PA66.036R Color: Black Form: Pellets Color: Black Information provided by Ravago.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ravago-Manufacturing-Americas-Hylon-N1240MGHL-BK-Nylon-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.49 g/cc	1.49 g/cc	ASTM D792
Density	1.49 g/cc	0.0538 lb/in ³	ISO 1183
Water Absorption	0.80 % @Time 86400 sec	0.80 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	ASTM D955 and ISO 294-4

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	98	98	ASTM D785
Tensile Strength at Break	113 MPa	16400 psi	ISO 527-2
	114 MPa	16500 psi	ASTM D638
Elongation at Break	1.8 %	1.8 %	ASTM D638
Flexural Strength	172 MPa	24900 psi	ISO 178
	172 MPa	25000 psi	ASTM D790
Flexural Modulus	8.41 GPa	1220 ksi	ISO 178
	8.62 GPa	1250 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm	1.00 ft-lb/in	ASTM D256
Izod Impact, Notched (ISO)	4.20 kJ/m ²	2.00 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	229 °C	445 °F	Unannealed; ASTM D648

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