

**Ravago Manufacturing Americas Hylon® N1233HL 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, 33% Filler by Weight Additive: Heat Stabilizer and Lubricant Features:

Lubricated and Heat Stabilized RoHS Compliant Auto Specifications: CHRYSLER MS-DB41 CPN4157 Color: Black; GM GM7001M Color:

Black 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-N1233HL-BK-Nylon-66.php](http://www.lookpolymers.com/polymer_Ravago-Manufacturing-Americas-Hylon-N1233HL-BK-Nylon-66.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.39 g/cc	1.39 g/cc	ASTM D792
Density	1.39 g/cc	0.0502 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	ASTM D955 and ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	160 MPa	23200 psi	ISO 527-2
	162 MPa	23500 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Strength	220 MPa	31900 psi	ISO 178
	221 MPa	32000 psi	ASTM D790
Flexural Modulus	8.27 GPa	1200 ksi	ASTM D790
	8.27 GPa	1200 ksi	ISO 178
Izod Impact, Notched	0.801 J/cm	1.50 ft-lb/in	ASTM D256
Izod Impact, Notched (ISO)	6.09 kJ/m <sup>2</sup>	2.90 ft-lb/in <sup>2</sup>	ISO 180

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	241 °C	465 °F	Unannealed; ASTM D648
	241 °C	466 °F	Unannealed; ASTM D648

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