

Ravago Manufacturing Americas Hylon® N1000STHLUV2 HF Nylon 6/6 (discontinued **)

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Heat Stabilized

Material Notes:

Available in North America Additive: Heat Stabilizer, Lubricant and UV Stabilizer Features: Good Toughness, Lubricated, Heat Stabilized and High Flow RoHS Compliant Auto Specifications: GM GMP.PA66.074 Color: Black, GM GMP.PA66.078 Color: Black, GM GMP.PA66.089 Color: Black Form: Pellets Processing Method: Injection Molding Information provided by Ravago.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ravago-Manufacturing-Americas-Hylon-N1000STHLUV2-HF-Nylon-66-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.017 - 0.021 cm/cm @Thickness 3.17 mm	0.017 - 0.021 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	53.8 MPa	7800 psi	ASTM D638
Elongation at Break	50 %	50 %	ASTM D638
Flexural Strength	70.3 MPa	10200 psi	ASTM D790
Flexural Modulus	1.83 GPa	265 ksi	ASTM D790
Izod Impact, Notched	8.54 J/cm	16.0 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	62.2 °C	144 °F	Unannealed; ASTM D648
Flammability, UL94	HB @Thickness 0.787 mm	HB @Thickness 0.0310 in	

Processing Properties	Metric	English	Comments
Melt Temperature	266 - 277 °C	510 - 530 °F	
Mold Temperature	65.6 - 82.2 °C	150 - 180 °F	
Drying Temperature	73.9 °C @Time 7200 - 14400 sec	165 °F @Time 2.00 - 4.00 hour	

Moisture Content Processing Properties	≤ 0.18 % Metric	≤ 0.18 % English	Suggested Maximum Comments
Back Pressure	0.138 - 0.345 MPa	20.0 - 50.0 psi	
Screw Speed	40 - 120 rpm	40 - 120 rpm	

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