

Ravago Manufacturing Americas Hylon® N1000STHL UV2 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 RoHS Compliant Auto Specifications: GM GMP.PA66.074 Color: Black Form: Pellets Processing Method: Injection Molding Properties are for dry polymer unless noted. Information provided by Ravago.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ravago-Manufacturing-Americas-Hylon-N1000STHL-UV2-Nylon-66-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 g/cc	ASTM D792
Water Absorption	0.80 %	0.80 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.017 - 0.021 cm/cm	0.017 - 0.021 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	107	107	ASTM D785
Tensile Strength at Break	34.5 MPa	5000 psi	Conditioned; ASTM D638
	51.7 MPa	7500 psi	
Elongation at Break	55 %	55 %	ASTM D638
	200 %	200 %	
Flexural Strength	27.6 MPa	4000 psi	Conditioned; ASTM D790
	68.3 MPa	9900 psi	
Flexural Modulus	0.758 GPa	110 ksi	Conditioned; ASTM D790
	1.72 GPa	250 ksi	
Izod Impact, Notched	8.54 J/cm	16.0 ft-lb/in	ASTM D256
	10.1 J/cm	19.0 ft-lb/in	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	140 µm/m-°C	78.0 µin/in-°F	ASTM D696

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (0.07 psi)	218 °C	425 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	68.3 °C	155 °F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	Conditioned
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	HB	HB	
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	Conditioned; ASTM D257
	1.00e+14 ohm-cm	1.00e+14 ohm-cm	
Dielectric Constant	3.2	3.2	ASTM D150
	@Frequency 100 Hz	@Frequency 100 Hz	
	5.5	5.5	Conditioned; ASTM D150
	@Frequency 100 Hz	@Frequency 100 Hz	

Processing Properties	Metric	English	Comments
Melt Temperature	277 - 293 °C	530 - 560 °F	
Mold Temperature	48.9 - 87.8 °C	120 - 190 °F	
Drying Temperature	73.9 °C	165 °F	
	@Time 7200 - 14400 sec	@Time 2.00 - 4.00 hour	
Moisture Content	<= 0.18 %	<= 0.18 %	Suggested Maximum
Back Pressure	0.138 - 0.414 MPa	20.0 - 60.0 psi	
Screw Speed	40 - 120 rpm	40 - 120 rpm	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China