

Ravago Manufacturing Americas Hylon® N1000TL Nylon 6/6 (Cond) (discontinued **)

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

Material Notes:

Information provided by Ravago

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ravago-Manufacturing-Americas-Hylon-N1000TL-Nylon-66-Cond-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in ³	DAM; ASTM D792
Water Absorption	1.2 %	1.2 %	24 hrs, DAM; ASTM D570
Linear Mold Shrinkage	0.018 cm/cm	0.018 in/in	0.125 in, DAM; ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	94	94	ASTM D785
Tensile Strength at Break	46.2 MPa	6700 psi	ASTM D638
Elongation at Break	130 %	130 %	ASTM D638
Flexural Strength	34.5 MPa	5000 psi	ASTM D790
Flexural Modulus	0.896 GPa	130 ksi	ASTM D790
Izod Impact, Notched	2.14 J/cm	4.00 ft-lb/in	73°F; ASTM D256

Thermal Properties	Metric	English	Comments
Flammability, UL94	HB	HB	0.0591 in, BK
	HB	HB	0.118 in, BK

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	ASTM D257
Dielectric Constant	5.8 @Frequency 100 Hz	5.8 @Frequency 100 Hz	ASTM D150

Processing Properties	Metric	English	Comments
Melt Temperature	277 - 293 °C	530 - 560 °F	
Mold Temperature	48.9 - 93.3 °C	120 - 200 °F	

Processing Properties	Metric	English	Comments
Drying Temperature	130 °C	160 °F	
Dry Time	2 - 4 hour	2 - 4 hour	
Moisture Content	0.18 %	0.18 %	
Back Pressure	0.138 - 0.414 MPa	20.0 - 60.0 psi	
Screw Speed	40 - 120 rpm	40 - 120 rpm	

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