

Ravago Manufacturing Americas Hylon® N1033STHL Nylon 6/6 (Cond)

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

Material Notes:

Information provided by Ravago.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ravago-Manufacturing-Americas-Hylon-N1033STHL-Nylon-66-Cond.php

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in ³	DAM; ASTM D792
Water Absorption	0.40 %	0.40 %	24 hrs, DAM; ASTM D570
Linear Mold Shrinkage	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	0.125 in, DAM; ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	60	60	ASTM D785
Tensile Strength at Break	100 MPa	14500 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Flexural Strength	145 MPa	21000 psi	ASTM D790
Flexural Modulus	5.52 GPa	800 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

Processing Properties	Metric	English	Comments
Melt Temperature	282 - 299 °C	540 - 570 °F	
Mold Temperature	65.6 - 98.9 °C	150 - 210 °F	
Drying Temperature	73.9 °C	165 °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			

Processing Properties	40 - 120 rpm Metric	40 - 120 rpm English	Comments
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