

Ravago Manufacturing Americas Hylon® N1013STL 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-N1013STL-Nylon-66-Cond-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	DAM; ASTM D792
Water Absorption	0.70 %	0.70 %	24 hrs, DAM; ASTM D570
Linear Mold Shrinkage	0.0050 - 0.0080 cm/cm	0.0050 - 0.0080 in/in	0.125 in, DAM; ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	55.2 MPa	8000 psi	ASTM D638
Elongation at Break	8.0 %	8.0 %	ASTM D638
Flexural Strength	48.3 MPa	7000 psi	ASTM D790
Flexural Modulus	2.41 GPa	350 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

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	40 - 120 rpm	40 - 120 rpm	

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