

Ravago Manufacturing Americas Hylon® N2000HL Nylon 6 (Cond)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Heat Stabilized

Material Notes:

Information provided by Ravago.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ravago-Manufacturing-Americas-Hylon-N2000HL-Nylon-6-Cond.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	DAM; ASTM D792
Water Absorption	1.6 %	1.6 %	24 hrs, DAM; ASTM D570
Linear Mold Shrinkage	0.015 cm/cm	0.015 in/in	0.125 in, DAM; ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	34.5 MPa	5000 psi	ASTM D638
Flexural Strength	33.0 MPa	4780 psi	ASTM D790
Flexural Modulus	0.731 GPa	106 ksi	ASTM D790
Izod Impact, Notched	NB	NB	73°F; ASTM D256

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-1	V-1	0.0590 in, NC
	5VB	5VB	0.0590 in, BK

Processing Properties	Metric	English	Comments
Melt Temperature	238 - 266 °C	460 - 510 °F	
Mold Temperature	48.9 - 82.2 °C	120 - 180 °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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