

**Ravago Manufacturing Americas Hylon® N1033THL 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-N1033THL-Nylon-66-Cond.php](http://www.lookpolymers.com/polymer_Ravago-Manufacturing-Americas-Hylon-N1033THL-Nylon-66-Cond.php)

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in <sup>3</sup>	DAM; ASTM D792
Water Absorption	0.50 %	0.50 %	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	83	83	ASTM D785
Tensile Strength at Break	103 MPa	15000 psi	ASTM D638
Flexural Strength	159 MPa	23000 psi	ASTM D790
Flexural Modulus	4.48 GPa	650 ksi	ASTM D790
Izod Impact, Notched	1.44 J/cm	2.70 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	40 - 120 rpm	40 - 120 rpm	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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