

## Ravago Manufacturing Americas Hylon® N2017THL Nylon 6 (DAM)

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-N2017THL-Nylon-6-DAM.php](http://www.lookpolymers.com/polymer_Ravago-Manufacturing-Americas-Hylon-N2017THL-Nylon-6-DAM.php)

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in <sup>3</sup>	ASTM D792
Water Absorption	1.1 %	1.1 %	24 hrs; ASTM D570
Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	0.125 in; ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	82	82	ASTM D785
Tensile Strength, Yield	110 MPa	16000 psi	ASTM D638
Elongation at Break	3.5 %	3.5 %	ASTM D638
Flexural Strength	128 MPa	18500 psi	ASTM D790
Flexural Modulus	4.48 GPa	650 ksi	ASTM D790
Izod Impact, Notched	1.39 J/cm	2.60 ft-lb/in	73°F; ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	36.0 µm/m-°C	20.0 µin/in-°F	ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	

Processing Properties	Metric	English	Comments
Melt Temperature	254 - 277 °C	490 - 530 °F	
Mold Temperature	71.1 - 93.3 °C	160 - 200 °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	50 - 120 rpm	50 - 120 rpm	

Processing Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Holding Pressure		750 to 1400 psi	
Injection Rate		Fast	

## Contact Songhan Plastic Technology Co.,Ltd.

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