

## Ravago Manufacturing Americas Hylon® N2000STL Nylon 6 (DAM)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Impact Grade

### Material Notes:

Information provided by Ravago.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ravago-Manufacturing-Americas-Hylon-N2000STL-Nylon-6-DAM.php](http://www.lookpolymers.com/polymer_Ravago-Manufacturing-Americas-Hylon-N2000STL-Nylon-6-DAM.php)

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in <sup>3</sup>	ASTM D792
Water Absorption	1.1 %	1.1 %	24 hrs; ASTM D570
Linear Mold Shrinkage	0.018 cm/cm	0.018 in/in	0.125 in; ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	78	78	ASTM D785
Tensile Strength, Yield	55.2 MPa	8000 psi	ASTM D638
Elongation at Break	50 %	50 %	ASTM D638
Flexural Strength	62.1 MPa	9000 psi	ASTM D790
Flexural Modulus	1.63 GPa	236 ksi	ASTM D790
Izod Impact, Notched	8.01 J/cm	15.0 ft-lb/in	73°F; ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	106 µm/m-°C	59.0 µin/in-°F	ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	168 °C	335 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	65.6 °C	150 °F	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	ASTM D257
Dielectric Strength	19.7 kV/mm	500 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Melt Temperature	243 - 271 °C	470 - 520 °F	

Processing Properties	Metric	English	Comments
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	

Descriptive Properties	Value	Comments
Holding Pressure	400 to 1400 psi	
Injection Rate	Fast	

## Contact Songhan Plastic Technology Co.,Ltd.

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