

Ravago Manufacturing Americas Hylon® N1013L Nylon 6/6 (Cond) (discontinued **)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Information provided by Ravago.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ravago-Manufacturing-Americas-Hylon-N1013L-Nylon-66-Cond-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	DAM; ASTM D792
Water Absorption	1.0 %	1.0 %	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
Hardness, Rockwell M	80	80	ASTM D785
Tensile Strength at Break	82.7 MPa	12000 psi	ASTM D638
Elongation at Break	7.0 %	7.0 %	ASTM D638
Flexural Strength	103 MPa	15000 psi	ASTM D790
Flexural Modulus	2.76 GPa	400 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm	2.00 ft-lb/in	73°F; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	239 °C	462 °F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	0.0591 in, BK
	HB	HB	0.0591 in, NC
	HB	HB	0.118 in, BK
	HB	HB	0.118 in, NC

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			

Processing Properties	73.9 °C Metric	165 °F English	Comments
Dry Time	2 - 4 hour	2 - 4 hour	
Moisture Content	0.20 %	0.20 %	
Back Pressure	0.138 - 0.414 MPa	20.0 - 60.0 psi	
Screw Speed	40 - 120 rpm	40 - 120 rpm	

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