

Ravago Manufacturing Americas Hylon® N1025HLFR Nylon 6/6, 25% Fiberglass, Heat Stabilized, Lubricated, Flame retardant (Cond)

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-N1025HLFR-Nylon-66-25-Fiberglass-Heat-Stabilized-Lubricated-Flame-retardant-Cond.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.57 g/cc	1.57 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0030 - 0.0070 cm/cm	0.0030 - 0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Elongation at Yield	2.5 %	2.5 %	ASTM D638
Flexural Strength	145 MPa	21000 psi	ASTM D790
Flexural Modulus	5.52 GPa	800 ksi	ASTM D790
Izod Impact, Notched	1.01 J/cm	1.90 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-0	V-0	0.079 inches

Processing Properties	Metric	English	Comments
Melt Temperature	271 - 288 °C	520 - 550 °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	

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