

Nylene® 404 Nylon 6, 50% RH

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Heat Stabilized

Material Notes:

Injection molding grade. Nylene 404 is a heat stabilized version of 401 which is recommended for general purpose nylon molding applications in both thin and heavy sections. In addition to protection from heat degradation, 404 has high flow characteristics at minimal processing temperatures. ALM, Nylene Canada, and Custom Resins are all operating companies of Polymeric Resources Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Nylene-404-Nylon-6-50-RH.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	70.0 MPa	10200 psi	ASTM D638
Elongation at Break	170 %	170 %	ASTM D638
Flexural Yield Strength	38.0 MPa	5510 psi	ASTM D790
Flexural Modulus	0.690 GPa	100 ksi	ASTM D790
Izod Impact, Notched	2.60 J/cm	4.87 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	182 °C	360 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	68.0 °C	154 °F	ASTM D648

Processing Properties	Metric	English	Comments
Processing Temperature	232 - 243 °C	450 - 469 °F	At Nozzle
Nozzle Temperature	232 - 243 °C	450 - 469 °F	

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