

Nylene® 402 Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced

Material Notes:

Injection molding grade. Dry as molded. Nylene 402 is a high monomer resin which offers outstanding toughness and flexibility. Nylene 402 exhibits excellent flow properties at temperature and pressure settings suitable for a wide variety of general purpose molding applications. 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-402-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	ASTM D792
Water Absorption	3.5 %	3.5 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	52.0 MPa	7540 psi	ASTM D638
Elongation at Break	300 %	300 %	ASTM D638
Flexural Yield Strength	55.0 MPa	7980 psi	ASTM D790
Flexural Modulus	1.00 GPa	145 ksi	ASTM D790
Izod Impact, Notched	1.30 J/cm	2.44 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	160 °C	320 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	56.0 °C	133 °F	ASTM D495

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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