

Nylene® 406 Nylon 6, 50% RH

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

Material Notes:

Injection molding grade. Nylene 406 is a general purpose, fast cycling molding resin. Crystallization initiators provide fast molding cycles through rapid melt set-up. Parts molded from 406 have better dimensional stability at moisture equilibrium than parts molded from conventional nylon. 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-406-Nylon-6-50-RH.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	54.0 MPa	7830 psi	ASTM D638
Elongation at Break	250 %	250 %	ASTM D638
Izod Impact, Notched	2.50 J/cm	4.68 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)	71.0 °C	160 °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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