

Nylene® 409 Nylon 6

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

Material Notes:

Dry as molded. Injection molding grade. Nylene 409 is a heat stabilized version of 406 which is a general purpose, fast cycling molding resin. Crystallization initiators provide fast molding cycles through rapid melt set-up. In addition to protection from heat degradation, parts molded from 409 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-409-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	ASTM D792
Water Absorption	1.5 %	1.5 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	75.0 MPa	10900 psi	ASTM D638
Elongation at Break	25 %	25 %	ASTM D638
Izod Impact, Notched	0.400 J/cm	0.749 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
Flammability, UL94	V-2	V-2	

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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