

Nylene® NX4569 Nylon 6

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

Material Notes:

Dry as molded. Nylene NX4569 is a medium viscosity, molding grade nylon 6 resin suitable for general purpose applications. Crystallization initiators provide fast molding cycles through rapid melt set-up. Nylene NX4569 has excellent melt stability and good melt strength. NX4569 has excellent grease resistance, toughness, and resistance to abrasion. Optimum processing conditions should provide a melt temperature of 480 - 500°F at the nozzle. 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-NX4569-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ASTM D792
Water Absorption	1.8 %	1.8 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	83.0 MPa	12000 psi	ASTM D638
Elongation at Break	70 %	70 %	ASTM D638
Flexural Yield Strength	103 MPa	14900 psi	ASTM D790
Izod Impact, Notched	0.400 J/cm	0.749 ft-lb/in	ASTM D256

Processing Properties	Metric	English	Comments
Processing Temperature	249 - 260 °C	480 - 500 °F	

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