

Nylene® 609 Nylon 6, Film/Extrusion Grade

Category : Polymer , Film , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Film Grade

Material Notes:

Dry as molded. Film grade. Nylene 609 is a high viscosity, extrusion resin recommended for practically all types of extrusion including profile, film, and extrusion coating. It is especially recommended for flexible packaging where as a film or coating it is used for the outside layer in multi-ply film constructions. Nylene 609 has excellent melt flow and melt strength properties. Optimum processing conditions should permit for a melt temperature of 550 - 575°F at the die. 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-609-Nylon-6-FilmExtrusion-Grade.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ASTM D792
Water Absorption	1.7 %	1.7 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	70.0 MPa	10200 psi	ASTM D638
Elongation at Break	140 %	140 %	ASTM D638
Flexural Yield Strength	120 MPa	17400 psi	ASTM D790
Izod Impact, Notched	0.500 J/cm	0.937 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	161 °C	322 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	62.0 °C	144 °F	ASTM D648

Processing Properties	Metric	English	Comments
Processing Temperature	295 °C	563 °F	

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