

Nylene® 607 Nylon 6, Extrusion Grade

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Extruded

Material Notes:

Dry as molded. Extrusion grade. Nylene 607 is a very high viscosity extrusion resin having an ASTM relative viscosity of 800. Nylene 607 has excellent structural strength, durability, and physical properties. It has good melt strength and good draw-down properties which promote dimensional control for extrusion of pipe, tubing, film, and sheet. It is particularly recommended for the extrusion of thick slab, large rod stock, and large complex profiles. 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-607-Nylon-6-Extrusion-Grade.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ASTM D792
Water Absorption	0.020 %	0.020 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	85.0 MPa	12300 psi	ASTM D638
Elongation at Break	210 %	210 %	ASTM D638
Flexural Yield Strength	107 MPa	15500 psi	ASTM D790
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)	186 °C	367 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	65.0 °C	149 °F	ASTM D648

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

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