

Nylene® 603 Nylon 6, Extrusion Grade

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

Material Notes:

Dry as molded. Extrusion grade. Nylene 603 is a plasticized, high residual monomer resin designed for extrusion applications requiring excellent flexibility, high strength and good abrasion resistance. Applications include flexible tubing, cable jacketing, and monofilament extrusion such as fish line and netting, sewing thread, and weaving thread. Optimum processing conditions should permit for a melt temperature of approximately 450°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-603-Nylon-6-Extrusion-Grade.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ASTM D792
Water Absorption	3.2 %	3.2 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	88.0 MPa	12800 psi	ASTM D638
Elongation at Break	250 %	250 %	ASTM D638
Flexural Yield Strength	61.0 MPa	8850 psi	ASTM D790
Izod Impact, Notched	1.90 J/cm	3.56 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	168 °C	334 °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 °C	450 °F	

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