

Nylene® 734 Nylon 6

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

Material Notes:

Dry as molded. Injection molding grade. Nylene 734 is the heat stabilized version of 733 which is a high impact modified nylon suitable for both molding and extrusion. In addition to heat stabilization to prevent thermal degradation, parts molded from 734 have excellent impact strength right out of the mold without post conditioning. Outstanding features of Nylene 734 include high stiffness and high strength. Cylinder temperatures should be in the 500 - 550°F range. 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-734-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	72.0 MPa	10400 psi	ASTM D638
Elongation at Break	200 %	200 %	ASTM D638
Flexural Modulus	2.10 GPa	305 ksi	ASTM D790
Izod Impact, Notched	8.40 J/cm	15.7 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	61.0 °C	142 °F	ASTM D648

Processing Properties	Metric	English	Comments
Processing Temperature	275 °C	527 °F	

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