

Nylene® 8100 Unfilled Nylon 6/12

Category : Polymer , Thermoplastic , Nylon , Nylon 612 , Nylon 612, Unreinforced

Material Notes:

Description: Nylene® 8100 is an unfilled specialty fiber. Information provided by Custom Resins. 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-8100-Unfilled-Nylon-612.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	ASTM D792
Linear Mold Shrinkage	0.011 cm/cm	0.011 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	62.1 MPa	9000 psi	ASTM D638
Elongation at Break	50 %	50 %	ASTM D638
Flexural Modulus	1.90 GPa	275 ksi	ASTM D790
Izod Impact, Notched	0.320 J/cm	0.600 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	224 °C	435 °F	ASTM D3418
Deflection Temperature at 1.8 MPa (264 psi)	52.8 °C	127 °F	ASTM D648

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