

Nilit Polynil® P120 Medium Viscosity Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Unreinforced

Material Notes:

Description: Medium viscosity Application: Monofilament Information provided by NILIT.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Nilit-Polynil-P120-Medium-Viscosity-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ASTM D792
Viscosity Measurement	120	120	relative viscosity (formic acid); ASTM D789

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	80.0 MPa	11600 psi	ASTM D638
Elongation at Break	>= 50 %	>= 50 %	ASTM D638
Tensile Modulus	3.00 GPa	435 ksi	ASTM D638
Flexural Strength	115 MPa	16700 psi	ASTM D790
Flexural Modulus	2.70 GPa	392 ksi	ASTM D790
Izod Impact, Notched (ISO)	6.09 kJ/m ²	2.90 ft-lb/in ²	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	225 °C	437 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	75.0 °C	167 °F	ASTM D648

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