

Nilit Polynil® P200 High Viscosity Nylon 66

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

Material Notes:

Description: High viscosityApplication: Semi-finished and FilmInformation provided by NILIT.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Nilit-Polynil-P200-High-Viscosity-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ASTM D792
Viscosity Measurement	200	200	relative viscosity (formic acid); ASTM D789

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	80.0 MPa	11600 psi	ASTM D638
Elongation at Break	98 %	98 %	ASTM D638
Tensile Modulus	2.84 GPa	412 ksi	ASTM D638
Flexural Strength	118.9 MPa	17250 psi	ASTM D790
Flexural Modulus	2.60 GPa	377 ksi	ASTM D790
Izod Impact, Notched (ISO)	6.93 kJ/m ²	3.30 ft-lb/in ²	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	229 °C	444 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	73.9 °C	165 °F	ASTM D648

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