

Nilit Polynil® P36 Very High Flow Nylon 66

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

Material Notes:

Description: Very high flow Application: Compounding Information provided by NILIT.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Nilit-Polynil-P36-Very-High-Flow-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ASTM D792
Water Absorption	1.5 %	1.5 %	24h in H ₂ O; sim. ISO 62
Water Absorption at Saturation	8.5 %	8.5 %	sim. ISO 62
Viscosity Measurement	36	36	relative viscosity (formic acid); ASTM D789
Linear Mold Shrinkage, Flow	0.013 cm/cm	0.013 in/in	Nilit

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	80.0 MPa	11600 psi	ASTM D638
Tensile Modulus	3.00 GPa	435 ksi	ASTM D638
Flexural Strength	120 MPa	17400 psi	ASTM D790
Flexural Modulus	2.85 GPa	413 ksi	ASTM D790

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)	85.0 °C	185 °F	ASTM D648
Vicat Softening Point	240 °C	464 °F	49 N; ASTM D1525
	255 °C	491 °F	9.8 N; ASTM D1525

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	>= 600 V	>= 600 V	UL 746

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