

Techmer ES Plaslube® NY-1/TF/13/SI/2 Nylon 66, 13% PTFE, 2% Silicone

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, PTFE Filled

Material Notes:

Plaslube polytetrafluoroethylene (PTFE) lubricated nylon 66 grades offer the best wear and friction properties of any unreinforced, lubricated nylon compounds, making them ideal materials for bearings and bushings.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Plaslube-NY-1TF13SI2-Nylon-66-13-PTFE-2-Silicone.php

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in ³	ASTM D792
Water Absorption	0.70 %	0.70 %	24 hrs. ASTM D570
Linear Mold Shrinkage	0.015 cm/cm @Thickness 3.17 mm	0.015 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	68.9 MPa	10000 psi	ASTM D638
Flexural Yield Strength	100 MPa	14500 psi	ASTM D790
Flexural Modulus	2.62 GPa	380 ksi	ASTM D790
Izod Impact, Notched	0.641 J/cm @Thickness 3.17 mm	1.20 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	85.0 °C	185 °F	ASTM D648

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