

Techmer ES Plaslube® J-1/30/SI/2 Nylon 66, 30% GFR, 2% Silicone

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled

Material Notes:

Plaslube silicone lubricated nylon 66 grades are cost-effective wear and friction materials with low coefficients of friction. These grades have a potential for noise reduction due to the migratory nature of silicone lubricants.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Plaslube-J-130SI2-Nylon-66-30-GFR-2-Silicone.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in ³	ASTM D792
Water Absorption	0.80 %	0.80 %	24 hrs. ASTM D570
Linear Mold Shrinkage	0.0030 cm/cm @Thickness 3.17 mm	0.0030 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	179 MPa	26000 psi	ASTM D638
Flexural Yield Strength	248 MPa	36000 psi	ASTM D790
Flexural Modulus	9.31 GPa	1350 ksi	ASTM D790
Izod Impact, Notched	1.17 J/cm @Thickness 3.17 mm	2.20 ft-lb/in @Thickness 0.125 in	ASTM D256
Coefficient of Friction, Dynamic	0.15	0.15	
Coefficient of Friction, Static	0.14	0.14	
K (wear) Factor	604 x 10 ⁻⁸ mm ³ /N-M	300 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	Thrust washer at 2000 PV
Limiting Pressure Velocity	0.420 MPa-m/sec	12000 psi-ft/min	at 100 FPM, ambient temperature, thrust washer.

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	252 Â°C	485 Â°F	ASTM D648

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