

Trelleborg Sealing Solutions Turcite® TX Self-Lubricating Thermoplastic Rod

Category : Polymer , Thermoplastic

Material Notes:

Red color. Turcite® TX is engineered to handle moderate load, high speed applications. It exhibits an excellent surface finish when machined. It has a long service life and exceptionally low coefficient of friction and high PV. General Turcite® information: Exhibit excellent wear resistance, durability, and no slip-stick under oscillating motion. Axial-loaded shafts benefit from reduced friction. Uses include transmissions, home appliances, bicycles, food processing equipment, exercise equipment, rotating displays, and caster assemblies. Information provided by Busak + Shamban, now Trelleborg Sealing Solutions. Busak+Shamban changed its name to Trelleborg Sealing Solutions in 2007.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Trelleborg-Sealing-Solutions-Turcite-TX-Self-Lubricating-Thermoplastic-Rod.php

Physical Properties	Metric	English	Comments
Water Absorption	0.20 %	0.20 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	40.7 MPa	5900 psi	
Elongation at Break	19 %	19 %	
Coefficient of Friction	0.22	0.22	non-lubricated
K (wear) Factor	40.3 x 10 ⁻⁸ mm ³ /N-M	20.0 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	
Limiting Pressure Velocity	1.50 MPa-m/sec	42800 psi-ft/min	

Thermal Properties	Metric	English	Comments
CTE, linear	93.6 µm/m-°C	52.0 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Maximum Service Temperature, Air	82.0 °C	180 °F	Continuous
	95.0 °C	203 °F	Deflection Temperature with load unspecified
	121 °C	250 °F	Intermittent

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