

Trelleborg Sealing Solutions Turcite® TA Self-Lubricating Thermoplastic Rod

Category : Polymer , Thermoplastic

Material Notes:

Turquoise color. Turcite® TA was developed for general purpose load and speed applications. It exhibits an excellent surface finish when machined. It has exceptional service life and superior chemical resistance. 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-TA-Self-Lubricating-Thermoplastic-Rod.php

Physical Properties	Metric	English	Comments
Water Absorption	0.20 %	0.20 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	52.4 MPa	7600 psi	
Elongation at Break	15 %	15 %	
Coefficient of Friction	0.30	0.30	non-lubricated
K (wear) Factor	86.6 x 10 ⁻⁸ mm ³ /N-M	43.0 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	
Limiting Pressure Velocity	0.260 MPa-m/sec	7420 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
	96.0 °C	205 °F	Deflection Temperature with load unspecified
	107 °C	225 °F	Intermittent

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