

TriStar TriSteel PT Metal Backed PTFE Bearing System

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

Material Notes:

Ultraflon 602 (PT) PTFE lined metal backed bearing system, low friction, high PV, high speed sleeve, flange and thrust bearings, zero lube required, high operating temperature. Ultraflon 602 PTFE Liner is a enhanced wear PTFE for use in lubricated or unlubricated environments. With lubrication, PV ratings can be in excess of 1,000,000.

Order this product through the following link:

http://www.lookpolymers.com/polymer_TriStar-TriSteel-PT-Metal-Backed-PTFE-Bearing-System.php

Physical Properties	Metric	English	Comments
Density	3.15 g/cc	0.114 lb/in ³	
Deformation	3.1 %	3.1 %	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	
Tensile Strength, Yield	16.9 MPa	2450 psi	
Elongation at Break	150 %	150 %	
Flexural Strength	19.3 MPa	2800 psi	
Flexural Modulus	1.10 GPa	160 ksi	
Compressive Strength	20.3 MPa	2950 psi	
	248 MPa	36000 psi	Maximum Static Bearing Load
Coefficient of Friction, Dynamic	0.10	0.10	Dry vs Steel
K (wear) Factor	18.1 x 10 ⁻⁸ mm ³ /N-M	9.00 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	
Limiting Pressure Velocity	1.75 MPa-m/sec	50000 psi-ft/min	Unlubricated. Max P = 36,000 psi and max V = 1000 fpm

Thermal Properties	Metric	English	Comments
CTE, linear	84.6 μm/m-°C	47.0 μin/in-°F	
Thermal Conductivity	41.5 W/m-K	288 BTU-in/hr-ft ² -°F	
Maximum Service Temperature, Air	260 °C	500 °F	Continuous
	288 °C	550 °F	Short Term
Brittleness Temperature	-184 °C	-300 °F	

Thermal Properties

Metric

English

Comments

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China