

TriStar TriSteel AC Metal Backed PTFE Bearing System

Category : Polymer , Thermoplastic , Acetal (POM) , Fluoropolymer , PTFE

Material Notes:

Ultraflon 601 (AC) POM lined metal backed bearing system, boundary lubrication required, high PV. Ultraflon 601 POM Liner is a lubricant enhanced acetal material for use in lubricated or unlubricated environments. With lubrication, PV ratings can be met without limitations. Lubrication reservoirs are available on the liner to produce a constant storage and pumping action for better hydrodynamic film generation.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	1.44 g/cc	0.0520 lb/in ³	
Water Absorption	0.020 % @Time 86400 sec	0.020 % @Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	
Tensile Strength, Yield	51.7 MPa	7500 psi	
Elongation at Break	12 %	12 %	
Flexural Strength	103 MPa	15000 psi	
Flexural Modulus	1.03 GPa	150 ksi	
Compressive Strength	119 MPa	17200 psi	
	248 MPa	36000 psi	Maximum Static Bearing Load
Compressive Modulus	2.14 GPa	310 ksi	
Coefficient of Friction, Dynamic	0.19	0.19	Dry vs Steel
K (wear) Factor	42.3 x 10 ⁻⁸ mm ³ /N-M	21.0 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	
Limiting Pressure Velocity	2.80 MPa-m/sec	80000 psi-ft/min	Unlubricated. Max P = 36,000 psi and max V = 300 fpm

Thermal Properties	Metric	English	Comments
Thermal Conductivity	4.32 W/m-K	30.0 BTU-in/hr-ft ² -°F	
Maximum Service Temperature, Air	82.2 °C	180 °F	Continuous
	98.9 °C	210 °F	Short Term

Thermal Properties ^{ture}

Metric ^{10.8.10}

English ^{10.8.15}

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