

Fluorseals PTFE 60% bronze filled

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE , Polytetrafluoroethylene (PTFE), Bronze Filled

Material Notes:

Improved compressive strength and thermal conductivity. Information provided by TEKU GmbH Fluorkunststoffe, a distributor of Fluorseals materials.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Fluorseals-PTFE-60-bronze-filled.php

Physical Properties	Metric	English	Comments
Density	3.90 g/cc	0.141 lb/in ³	ASTM 1457-62 T
Deformation	5.0 %	5.0 %	14 MPa, 100 h, 23 ^o C; ASTM D621-59

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	40.0 MPa	5800 psi	ASTM 1457-62 T
Tensile Strength at Break	14.0 MPa	2030 psi	ASTM 1457-62 T
Elongation at Break	>= 100 %	>= 100 %	ASTM 1457-62 T
Coefficient of Friction, Dynamic	0.16 - 0.19	0.16 - 0.19	v = 1 m/s
	0.18 - 0.20	0.18 - 0.20	v = 1.9 m/s
Abrasion	0.20	0.20	mm of depth after 200 hrs load duration; Partner Material ST 50

Thermal Properties	Metric	English	Comments
CTE, linear	70.0 $\mu\text{m/m}\cdot\text{C}^{\circ}$	38.9 $\mu\text{in/in}\cdot\text{F}^{\circ}$	DIN 52328
	@Temperature 100 C°	@Temperature 212 F°	
Thermal Conductivity	0.700 W/m-K	4.86 BTU-in/hr-ft ² - F°	DIN 52612

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+10 ohm-cm	1.00e+10 ohm-cm	DIN 53482
Surface Resistance	1.00e+11 ohm	1.00e+11 ohm	DIN 53482

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.comEmail : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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