

Fluorseals PTFE 15% graphite filled

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

Material Notes:

Improved thermal conductivity and coefficient of friction. 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-15-graphite-filled.php

Physical Properties	Metric	English	Comments
Density	2.17 g/cc	0.0784 lb/in ³	ASTM 1457-62 T
Deformation	7.0 %	7.0 %	14 MPa, 100 h, 23 ^o C; ASTM D621-59

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	32.0 MPa	4640 psi	ASTM 1457-62 T
Tensile Strength at Break	14.0 MPa	2030 psi	ASTM 1457-62 T
Elongation at Break	160 %	160 %	ASTM 1457-62 T
Coefficient of Friction, Dynamic	0.18 - 0.22	0.18 - 0.22	v = 1 m/s
	0.20 - 0.23	0.20 - 0.23	v = 1.9 m/s
Abrasion	4.0	4.0	mm of depth after 70 hrs load duration; Partner Material ST 50

Thermal Properties	Metric	English	Comments
CTE, linear	110 $\mu\text{m/m-}^{\circ}\text{C}$	61.1 $\mu\text{in/in-}^{\circ}\text{F}$	DIN 52328
	@Temperature 100 $^{\circ}\text{C}$	@Temperature 212 $^{\circ}\text{F}$	
Thermal Conductivity	0.930 W/m-K	6.45 BTU-in/hr-ft ² - $^{\circ}\text{F}$	DIN 52612

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+11 ohm-cm	1.00e+11 ohm-cm	DIN 53482
Surface Resistance	1.00e+12 ohm	1.00e+12 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