

Elektro-Isola Etronax MFP G Phenolic, Cotton/synthetic Fabric Reinforcement, Black, Sheets

Category : Polymer , Thermoset , Phenolic

Material Notes:

Description: Exclusively for mechanical applications. The combination of cotton/synthetic reinforcement and a graphite-modified resin results in a material with low friction and especially high wear resistance aggressive and dust-filled environments. Impact-resistant, noise-reducing and well suited for parts where high mechanical load and wear resistance are required. Good dry-run properties. Can be lubricated with water, oil or grease. Alternative to material containing asbestos. Applications: Bearings, slide pads, slide rails and wear parts. Information provided by Elektro-Isola

Order this product through the following link:

http://www.lookpolymers.com/polymer_Elektro-Isola-Etronax-MFP-G-Phenolic-Cottonsynthetic-Fabric-Reinforcement-Black-Sheets.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	24hr/23°C/50% RH; ISO 1183-A; IEC/EN 60893-2 8.1
Water Absorption	6.0 %	6.0 %	24hr/50°C+24hr in water at 23°C, Test Specimen 50x50x3[mm]; ISO 62-1; IEC/EN 60893-2 8.2

Mechanical Properties	Metric	English	Comments
Tensile Strength	85.0 MPa @Thickness >=1.50 mm	12300 psi @Thickness >=0.0591 in	24hr/23°C/50% RH; ISO 527; IEC/EN 60893-2 5.6
Modulus of Elasticity	5.00 GPa @Thickness >=1.50 mm	725 ksi @Thickness >=0.0591 in	24hr/23°C/50% RH; ISO 178; IEC/EN 60893-2 5.2
Flexural Strength	140 MPa @Thickness >=1.50 mm	20300 psi @Thickness >=0.0591 in	24hr/23°C/50% RH; ISO 178; IEC/EN 60893-2 5.1
Compressive Strength	320 MPa @Thickness >=5.00 mm	46400 psi @Thickness >=0.197 in	24hr/23°C/50% RH; ISO 604; IEC/EN 60893-2 5.3
Shear Strength	50.0 MPa @Thickness >=5.00 mm	7250 psi @Thickness >=0.197 in	24hr/23°C/50% RH; IEC/EN 60893-2 5.5
Izod Impact, Notched (ISO)	10.0 kJ/m ² @Thickness >=5.00 mm	4.76 ft-lb/in ² @Thickness >=0.197 in	24hr/23°C/50% RH; ISO 180/2A; IEC/EN 60893-2 5.4.3

Thermal Properties	Metric	English	Comments
--------------------	--------	---------	----------

Thermal Properties	100 °C Metric	212 °F English	Comments
Maximum Service Temperature, Inert	@Thickness 0.000 mm, Time 7.20e+7 sec	@Thickness 0.000 in, Time 20000 hour	IEC 60216, IEC/EN 60893-2 7.1

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