

Elektro-Isola Etronax MF Phenolic, Cotton Fabric Reinforcement, Brown, Sheets

Category : Polymer , Thermoset , Phenolic

Material Notes:

Description: Exclusively for mechanical applications. Impact-resistant, resistant to mechanical wear, noise-reducing, low friction. Well suited for parts where there are high mechanical load and wear. Good wear resistance in aggressive and dust-filled environments. Can be lubricated with water, oil or grease. Resistant to weather and salt water. Alternative to material containing asbestos. Information provided by Elektro-Isola

Order this product through the following link:

http://www.lookpolymers.com/polymer_Elektro-Isola-Etronax-MF-Phenolic-Cotton-Fabric-Reinforcement-Brown-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	1.6 %	1.6 %	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	80.0 MPa @Thickness >=1.50 mm	11600 psi @Thickness >=0.0591 in	24hr/23°C/50% RH; ISO 527; IEC/EN 60893-2 5.6
Modulus of Elasticity	7.00 GPa @Thickness >=1.50 mm	1020 ksi @Thickness >=0.0591 in	24hr/23°C/50% RH; ISO 178; IEC/EN 60893-2 5.2
Flexural Strength	115 MPa @Thickness >=1.50 mm	16700 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	40.0 MPa @Thickness >=5.00 mm	5800 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
Maximum Service Temperature, Inert	100 °C @Thickness 0.000 mm, Time 7.20e+7 sec	212 °F @Thickness 0.000 in, Time 20000 hour	IEC 60216; IEC/EN 60893-2 7.1

Thermal Properties	Metric	English	Comments
Electrical Properties	Metric	English	Comments
Insulation Resistance	1.00e+6 ohm	1.00e+6 ohm	24hr/50°C+24h in water at 23°C; IEC 60167; IEC/EN 60893-2 6.3
	@Thickness >=3.00 mm	@Thickness >=0.118 in	
Dielectric Strength	0.200 kV/mm	5.08 kV/in	24hr/23°C/50% RH+1hr/oil 90°C; Parallel; IEC 60245-1; IEC/EN 60893-2 6.1.3.2
	@Thickness >=3.00 mm	@Thickness >=0.118 in	
	1.00 kV/mm	25.4 kV/in	24hr/23°C/50% RH+1hr/oil 90°C; Perpendicular; IEC 60245-1; IEC/EN 60893-2 6.1.3.1
	@Thickness 3.00 mm	@Thickness 0.118 in	
Comparative Tracking Index	100 V	100 V	IEC 60112; IEC/EN 60893-2 6.4
	@Thickness 3.00 mm	@Thickness 0.118 in	

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