

## Elektro-Isola Etronax MMMF Phenolic, Cotton Fabric Reinforcement, Brown, Tubes

Category : Polymer , Thermoset , Phenolic

### Material Notes:

Description: Mechanical applications. Impact-resistant, noise-reducing, wear-resistant material. Well suited as a low-friction material. High wear resistance in aggressive and dust-filled environments. Can be lubricated with water, oil or grease. Applications: Ball-bearing cages for spindle bearings and guide rings for hydraulic cylinders. Can be used in particular, for mechanical applications where fine tolerances and smooth surface finish are required. Information provided by Elektro-Isola

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Elektro-Isola-Etronax-MMMF-Phenolic-Cotton-Fabric-Reinforcement-Brown-Tubes.php](http://www.lookpolymers.com/polymer_Elektro-Isola-Etronax-MMMF-Phenolic-Cotton-Fabric-Reinforcement-Brown-Tubes.php)

Physical Properties	Metric	English	Comments
Density	1.30 g/cc @Thickness >=0.000 mm	0.0470 lb/in <sup>3</sup> @Thickness >=0.000 in	24hr/23°C/50% RH; ISO 1183-A; IEC/EN 61212-2 7.3
Water Absorption	0.25 %	0.25 %	24hr/50°C+24hr in water at 23°C; ISO 62-1; IEC/EN 61212-2 7.2

Mechanical Properties	Metric	English	Comments
Flexural Strength	120 MPa @Diameter >=100 mm	17400 psi @Diameter >=3.94 in	24hr/23°C/50% RH; ISO 178; IEC/EN 61212-2 5.1
Compressive Strength	170 MPa @Temperature 23.0 °C, Time 86400 sec	24700 psi @Temperature 73.4 °F, Time 24.0 hour	50% RH, Axial; ISO 604; IEC/EN 61212-2 5.2
Adhesive Bond Strength	150 MPa @Diameter <=100 mm	21800 psi @Diameter <=3.94 in	24hr/23°C/50% RH; IEC 60212-2; IEC/EN 61212-2 5.3

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Inert	100 °C @Thickness 3.00 mm, Time 7.20e+7 sec	212 °F @Thickness 0.118 in, Time 20000 hour	IEC 60695-11-10; IEC/EN 61212-2 7.1

Electrical Properties	Metric	English	Comments
Insulation Resistance	5.00e+7 ohm @Diameter 8.00 - 10.0 mm	5.00e+7 ohm @Diameter 0.315 - 0.394 in	24hr/50°C+24h in water at 23°C; IEC; IEC/EN 61212-2 6.2
Dielectric Strength	0.400 kV/mm	10.2 kV/in	24hr/23°C/50% RH+1hr/oil 90°C; Perpendicular; IEC 60243-1; IEC/EN

Electrical Properties	@Thickness 3.00 mm Metric	@Thickness 0.118 in English	61212-2 6.1.2.1 Comments
	0.800 kV/mm	20.3 kV/in	24hr/23°C/50% RH+1hr/oil 90°C; Parallel; IEC 60243-1; IEC/EN 61212- 2 6.1.2.1
	@Diameter >=3.00 mm	@Diameter >=0.118 in	

## Contact Songhan Plastic Technology Co.,Ltd.

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