

Elektro-Isola Etronax MFP G Phenolic, Cotton Fabric Reinforcement, Black, Tubes

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 in aggressive and dust-filled environments. Impact-resistant, noise-reducing and well suited in applications, 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: Bearing bushings, cages for spindle bearings, and guide rings for hydraulic cylinders. Information provided by Elektro-Isola

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	1.30 g/cc @Thickness >=0.000 mm	0.0470 lb/in ³ @Thickness >=0.000 in	24hr/23°C/50% RH; ISO 1183-A; IEC/EN 61212-2 7.3
Water Absorption	0.50 %	0.50 %	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	160 MPa @Temperature 23.0 °C, Time 86400 sec	23200 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

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