

Elektro-Isola Etronit IV C S Phenolic, Paper Reinforcement, Black, Tubes

Category : Polymer , Thermoset , Phenolic

Material Notes:

Description: Suitable for electrical and mechanical applications where there is high air humidity. Lowest water absorption of all the Etronit types. Tropical grade. Good electrical properties at high frequencies. The tubes are black throughout. For applications in which a decorative element is important. Information provided by Elektro-Isola

Order this product through the following link:

http://www.lookpolymers.com/polymer_Elektro-Isola-Etronit-IV-C-S-Phenolic-Paper-Reinforcement-Black-Tubes.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	24hr/23°C/50% RH; ISO 1183-A; IEC/EN 61212-2 7.3
	@Thickness >=0.000 mm	@Thickness >=0.000 in	
Water Absorption	0.20 %	0.20 %	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	17400 psi	24hr/23°C/50% RH; ISO 178; IEC/EN 61212-2 5.1
	@Diameter >=100 mm	@Diameter >=3.94 in	
Compressive Strength	130 MPa	18900 psi	50% RH, Axial; ISO 604; IEC/EN 61212-2 5.2
	@Temperature 23.0 °C, Time 86400 sec	@Temperature 73.4 °F, Time 24.0 hour	
Adhesive Bond Strength	145 MPa	21000 psi	24hr/23°C/50% RH; IEC 60212-2; IEC/EN 61212-2 5.3
	@Diameter <=100 mm	@Diameter <=3.94 in	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Inert	120 °C	248 °F	IEC 60695-11-10; IEC/EN 61212-2 7.1
	@Thickness 3.00 mm, Time 7.20e+7 sec	@Thickness 0.118 in, Time 20000 hour	

Electrical Properties	Metric	English	Comments
Insulation Resistance	2.00e+8 ohm	2.00e+8 ohm	24hr/50°C+24h in water at 23°C; IEC; IEC/EN 61212-2 6.2
	@Diameter 8.00 - 10.0 mm	@Diameter 0.315 - 0.394 in	
Dielectric Constant	5.0	5.0	96hr/105°C+1hr/23°C/20%RH; IEC 250; IEC/EN 61212-2 6.3
	@Frequency 50.0 Hz	@Frequency 50.0 Hz	
	5.0	5.0	

Electrical Properties	Metric @Frequency 1.00e+6 Hz	English @Frequency 1.00e+6 Hz	Comments 96hr/105°C+1hr/23°C/20%RH; IEC 250; IEC/EN 61212-2 6.3
Dielectric Strength	6.70 kV/mm @Thickness 3.00 mm	170 kV/in @Thickness 0.118 in	24hr/23°C/50% RH+1hr/oil 90°C; Perpendicular; IEC 60243-1; IEC/EN 61212-2 6.1.2.1
	1.00 kV/mm @Diameter >=3.00 mm	25.4 kV/in @Diameter >=0.118 in	24hr/23°C/50% RH+1hr/oil 90°C; Parallel; IEC 60243-1; IEC/EN 61212- 2 6.1.2.1
Dissipation Factor	0.030 @Frequency 50.0 Hz	0.030 @Frequency 50.0 Hz	96hr/105°C+1hr/23°C/20%RH; IEC 250; IEC/EN 61212-2 6.3
	0.030 @Frequency 1000 Hz	0.030 @Frequency 1000 Hz	96hr/105°C+1hr/23°C/20%RH; IEC 250; IEC/EN 61212-2 6.3

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