

Elektro-Isola G-Etronax EP 10 Epoxy, Glass Fabric Reinforcement, Light Yellow, Sheets

Category : Polymer , Thermoset , Epoxy , Epoxy, Molded, Glass Fiber Filler

Material Notes:

Description: High mechanical strength at elevated temperatures. Very good stability of electrical properties under high humidity.

Mechanical, electrical and electronic applications. Can be used at cryogenic temperatures. Very good resistance to chemicals. Information provided by Elektro-Isola

Order this product through the following link:

http://www.lookpolymers.com/polymer_Elektro-Isola-G-Etronax-EP-10-Epoxy-Glass-Fabric-Reinforcement-Light-Yellow-Sheets.php

Physical Properties	Metric	English	Comments
Density	1.85 g/cc	0.0668 lb/in ³	24hr/23°C/50% RH; ISO 1183-A; IEC/EN 60893-2 8.1
Water Absorption	0.20 %	0.20 %	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	320 MPa @Thickness >=1.50 mm	46400 psi @Thickness >=0.0591 in	24hr/23°C/50% RH; ISO 527; IEC/EN 60893-2 5.6
Modulus of Elasticity	22.0 GPa @Thickness >=1.50 mm	3190 ksi @Thickness >=0.0591 in	24hr/23°C/50% RH; ISO 178; IEC/EN 60893-2 5.2
Flexural Strength	250 MPa @Thickness >=1.50 mm	36300 psi @Thickness >=0.0591 in	1hr/130°C/measured at 130°C; ISO 178; IEC/EN 60893-2 5.1
	450 MPa @Thickness >=1.50 mm	65300 psi @Thickness >=0.0591 in	24hr/23°C/50% RH; ISO 178; IEC/EN 60893-2 5.1
Compressive Strength	550 MPa @Thickness >=5.00 mm	79800 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)	65.0 kJ/m ² @Thickness >=5.00 mm	30.9 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	140 °C	284 °F	IEC 60216; IEC/EN 60893-2 7.1
	@Thickness 0.000 mm, Time 7.20e+7 sec	@Thickness 0.000 in, Time 20000 hour	

Electrical Properties	Metric	English	Comments
Insulation Resistance	5.00e+11 ohm	5.00e+11 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 Constant	4.5	4.5	96hr/105°C+1hr/23°C/20%RH; IEC 60250; IEC/EN 60893-2 6.2
	@Thickness <=3.00 mm, Frequency 50.0 Hz	@Thickness <=0.118 in, Frequency 50.0 Hz	
Dielectric Strength	4.5	4.5	96hr/105°C+1hr/23°C/20%RH; IEC 60250; IEC/EN 60893-2 6.2
	@Thickness <=3.00 mm, Frequency 1.00e+6 Hz	@Thickness <=0.118 in, Frequency 1.00e+6 Hz	
Dielectric Strength	2.40 kV/mm	61.0 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	
Dielectric Strength	16.0 kV/mm	406 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	
Dissipation Factor	0.0080	0.0080	96hr/105°C+1hr/23°C/20%RH; IEC 60250; IEC/EN 60893-2 6.2
	@Frequency 50.0 Hz	@Frequency 50.0 Hz	
Dissipation Factor	0.010	0.010	96hr/105°C+1hr/23°C/20%RH; IEC 60250; IEC/EN 60893-2 6.2
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Comparative Tracking Index	200 V	200 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