

## Elektro-Isola Etronit AS Phenolic, Paper Reinforcement, Black, Sheets

Category : Polymer , Thermoset , Phenolic

### Material Notes:

Description: ESD-protection quality according to SP-method 2472, IEC 61340-5-1 and EN 100015-1. SP ESD Approval Certificate No. 230-01-0137. High mechanical properties at temperatures up to 120°C Applications: The material is used in applications where an electrostatic dissipative material is required e.g. fixtures. Information provided by Elektro-Isola

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Elektro-Isola-Etronit-AS-Phenolic-Paper-Reinforcement-Black-Sheets.php](http://www.lookpolymers.com/polymer_Elektro-Isola-Etronit-AS-Phenolic-Paper-Reinforcement-Black-Sheets.php)

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in <sup>3</sup>	24hr/23°C/50% RH; ISO 1183-A; IEC/EN 60893-2 8.1
Water Absorption	1.73 %	1.73 %	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	110 MPa @Thickness >=1.50 mm	16000 psi @Thickness >=0.0591 in	24hr/23°C/50% RH; ISO 527; IEC/EN 60893-2 5.6
Modulus of Elasticity	20.0 GPa @Thickness >=1.50 mm	2900 ksi @Thickness >=0.0591 in	24hr/23°C/50% RH; ISO 178; IEC/EN 60893-2 5.2
Flexural Strength	170 MPa @Thickness >=1.50 mm	24700 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)	5.00 kJ/m <sup>2</sup> @Thickness >=5.00 mm	2.38 ft-lb/in <sup>2</sup> @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	120 °C @Thickness 0.000 mm, Time 7.20e+7 sec	248 °F @Thickness 0.000 in, Time 20000 hour	IEC 60216; IEC/EN 60893-2 7.1

## **Contact Songhan Plastic Technology Co.,Ltd.**

**Website : [www.lookpolymers.com](http://www.lookpolymers.com)**

**Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)**

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215,Fengxian District, Shanghai City,China**