

Laminate



VETRONITE EGS T23 AS

- High pressure laminate with antistatic properties
- Suitable for Wave and SMT soldering process up to 300°C for short period
- Very good mechanical properties
- Resistant against Flux SLS565 and Kester 977 without delamination

	Unit	Value	Test norm
Mechanical properties			
Flexural strength	MPa	430	ISO 178
E-modulus	MPa	24000	ISO 178
Flexural strength after at 150°C / 1h	MPa	330	ISO 178
Flexural strength after at 200°C / 1h	MPa	250	ISO 178
E-modulus at 150°C	MPa	19000	ISO 178
E-modulus at 200°C	MPa	16000	ISO 178
Compressive strength // at 23°C	MPa	280	ISO 604
Compressive strength ⊥ at 23°C	MPa	450	ISO 604
Tensile strength	MPa	290	ISO 527
Electrical properties			
Surface resistance	Ohm	1.0E+4 – 1.0E+9	IEC 61340-5-1
Thermal properties			
Thermal conductivity	W/m.K	0.3	ISO 8301
Linear expansion coefficient //	1.0E-6/K	15	ISO 11359-2
Physical properties			
Density	g/cm ³	1.90	ISO 1183
Water absorption	mg/%	15/0.03	ISO 62

Description

Vetronite EGS T23 AS is an insulating laminate made of fine weave glass fabric bonded with high temperature resin and antistatic properties.

RoHS Directive

Hazardous products listed in the EU-directive 2011/65/EU (RoHS-directive), annex II and amendment 2015/863/EU are not used as ingredients in this material.

Color

Black

Applications

Solder frame, antistatic
Antistatic parts

Form of delivery

Sheet formats 1170 x 1070, 2070 x 1070 mm
Size tolerance 0 / - 30 mm

Thickness range 0.2 to 30 mm
Thickness tol. acc. to DIN EN 60893-3-2

Also available as panels or machined parts.
Other dimensions and thicknesses on request.

Machining

Machining preferred with diamond tools due to high mechanical stability.

For water jet cutting we recommend adding silica sand to the water and drill through-holes prior to machine.

The data supplied are typical values. They are not to be considered specification values. All of the information, suggestions, and recommendations about these properties and uses of the products herein are based on tests and data believed to be accurate; however, the final determination regarding the suitability of any material described herein for the contemplated application, the manner of such use, and whether the use infringes any patents is the sole responsibility of the user. There is no warranty - expressed or implied - including, without limitation, warranties of merchantability or fitness for a particular purpose. Under no circumstances shall we be liable for incidental or consequential loss or damage.

VRI Composites custom fabricates insulation materials to the exact specifications and drawings specified by our customers. We offer our customers the proper product for their specific application. A variety of dimensions and diameter sizes are available. Product colors vary according to material type.

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