

Squared Tubes

VETRONITE G11 Roving 4KT



- Form pressed version
- High mechanical strength also at elevated temperatures
- Very good electrical properties
- High impact strength

	Unit	Value	Test norm
Mechanical properties			
Flexural strength	MPa	550	EN 61212-2
E-Modulus	MPa	24000	ISO 178
Compressive strength axial	MPa	270	EN 61212-2
Tensile strength	MPa	270	EN 61212-2
Electrical properties			
Insulation resistance after immersion in water	Ohm	1.0E+12	IEC 60167
Breakdown voltage // 90°C in oil	kV	75	IEC 20243-1
Electric strength ⊥ 90°C in oil	kV/mm	15	IEC 20243-1
Comparative tracking index (CTI)	°C	500	IEC 60112
Thermal properties			
Temperature index (TI)	°C	180	IEC 60216
Physical properties			
Density	g/cm ³	1.8 – 1.95	ISO 1183
Water absorption (24 h 23°C)	mg/cm ²	0.6	ISO 62

Description

Vetronite G11 Roving 4KT consists of high temperature epoxy resin with a reinforcement of glass roving fabric.

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.

Colour

Yellow brown, gets a greenish touch under influence of UV-light

Application

Machine construction
Chemical industry
Galvanic
Electro-technics

Form of delivery

This type will be supplied in form of squared tubes and machined parts out of such tubes.

Produced against customer drawing or specification.

Max. length 1000 mm

Hexagonal shape or other geometries on request.

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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