

# Laminate



## CANEVASITE VRI-BAT

- High pressure laminate with excellent mechanical properties
- More than 96 threads per inch
- Allows machining of finest details

	Unit	Value	Test norm
<b>Mechanical properties</b>			
Flexural strength $\perp$ at RT	ksi	20	ISO 178
E-modulus $\perp$ at RT	ksi	1000	ISO 178
Tensile strength	ksi	12	ISO 527
Compressive strength $\perp$ at RT	ksi	49	ISO 604
Compressive strength $\parallel$ at RT	ksi	23	ISO 604
<b>Electrical properties</b>			
Breakdown voltage $\parallel$ 90°C in oil	kV	15	IEC 60243-1
Electric strength $\perp$ 90°C in oil	kV/mm	2.25	IEC 60243-1
<b>Thermal properties</b>			
Temperature index (TI)	TI	120°C	IEC 60216
<b>Physical properties</b>			
Density	lb /in <sup>3</sup>	0.047	ISO 1183
Water absorption (24h, RT)	%	0.6	ISO 62

### Description

Canevasite VRI-BAT is a batiste cotton fabric bonded with phenolic resin.

### Specifications

IEC/DIN EN 60893 PF CC 305

(\* no longer valid since March 2003)

### 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

Brown

### Applications

Vanes or slides in air motors / compressors and vacuum pumps

### Form of delivery

Sheet format 45.3" x 41.3"

Tolerance + 2.8" / - 0"

Thickness range 0.008" to 4.0"

Thickness tol. acc. to DIN EN 60893-3-4

Also available as panels or machined parts.

Other thicknesses on request

### Processing

Machining with carbide and diamond tools.

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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