

Laminate



CANEVASITE VRI-BAT

- High pressure laminate with excellent mechanical properties
- More than 38 threads per cm²
- Allows machining of finest details

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(*) no longer valid since March 2003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

	Unit	Value	Test norm
Mechanical properties			
Flexural strength	MPa	135	ISO 178
E-modulus	MPa	6800	ISO 178
Tensile strength	MPa	85	ISO 527
Compressive strength ⊥ at 23°C	MPa	340	ISO 604
Compressive strength // at 23°C	MPa	160	ISO 604
Electrical properties			
Breakdown voltage // 90°C in oil	kV	15	IEC 60243-1
Electric strength ⊥ 90°C in oil	kV/mm	2.25	IEC 60243-1
Thermal properties			
Temperature index (TI)	TI	120	IEC 60216
Physical properties			
Density	g/cm ³	1.30	ISO 1183
Water absorption (24h, 23°C)	mg/%	73/0.6	ISO 62

Form of delivery

Sheet format 1250 x 1050 mm
Tolerance + 70 / - 0 mm

Thickness range 0.2 to 100 mm
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.