

# Laminate



## CANEVASITE FF 5964

- High pressure laminate with good wear resistance for vanes in air motors and compressors
- Special type with high surface hardness
- Used with oil lubrication

	Unit	Value	Test norm
<b>Mechanical properties</b>			
Flexural strength	ksi	19	ISO 178
E-modulus	ksi	1090	ISO 178
Tensile strength	ksi	12	ISO 527
<b>Electrical properties</b>			
Insulation resistance after immersion in water	Ohm	1.00E+11	IEC 62631-3-3
Breakdown voltage // 90°C in oil	kV	12	IEC 60243-1
Electric strength ⊥ 90°C in oil	kV/mm	2	IEC 60243-1
<b>Thermal properties</b>			
Temperature index (TI)	TI	120°C	IEC 60216
Thermal conductivity	BTU in / ft <sup>2</sup> hr °F	1.4	ISO 8301
Linear expansion coefficient //	1.0E-6/°F	10	ISO 11359-2
<b>Physical properties</b>			
Density	lb /in <sup>3</sup>	0.05	ISO 1183
Water absorption	%	0.42	ISO 62
Friction coefficient	[-]	0.25	
Ball impression hardness	ksi	25	DIN 53456

### Description

Canevasite FF 5964 is a fine weave cotton fabric bonded with special phenolic resin.

### Specifications

IEC/DIN EN 60893      PF CC 204  
DIN 7735                HGW 2083.5 (\*)  
BS 1572                F2(\*)  
NEMA IM 60000        LE

(\*) no longer valid since March 2003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, oil greased

### Form of delivery

Sheet format 45.3" x 41.3"  
Tolerance + 0.8" / - 0"

Thickness range 0.008" to 0.4"  
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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