

# Laminate



## CANEVASITE F18 C6

- High pressure laminate suitable for mechanical applications
- Good emergency running properties due to sliding additives
- Very low friction coefficient

	Unit	Value	Test norm
<b>Mechanical properties</b>			
Flexural strength	ksi	19	ISO 178
E-modulus	ksi	1090	ISO 178
Notched impact strength // (Charpy)	kJ/m <sup>2</sup>	14	ISO 179
Compressive strength // at RT	ksi	18	ISO 604
Compressive strength ⊥ at RT	ksi	39	ISO 604
Tensile strength	ksi	12	ISO 527
<b>Thermal properties</b>			
Temperature index (TI)	TI	Class B	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 (24h, 23°C)	%	0.73	ISO 62
Friction coefficient	[-]	0.17	

### Description

Canevasite F18 C6 is a cotton fabric laminate bonded with phenolic resin and additives to lower the friction coefficient.

### Specifications

IEC/DIN EN 60893 similar PF CC 201  
NEMA IM 60000 similar to Grade C  
DIN 7735 similar HGW 2082\*

(\* no longer valid since March 2003)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

Black

### Applications

Guide and stop ledges  
Slide bars  
Ground plates  
Bearing shells  
Chain guides

### Form of delivery

Sheet formats 78.7" x 39.4"  
Tolerance +2.8" / - 0 mm

Thickness range 0.012" to 4"  
Thickness tolerance 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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