

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
Mechanical properties			
Flexural strength	MPa	133	ISO 178
E-modulus	MPa	7500	ISO 178
Notched impact strength // (Charpy)	kJ/m ²	14	ISO 179
Compressive strength // at 23°C	MPa	170	ISO 604
Compressive strength ⊥ at 23°C	MPa	270	ISO 604
Tensile strength	MPa	82	ISO 527
Thermal properties			
Temperature index (TI)	TI	120	IEC 60216
Thermal conductivity	W/m·K	0.2	ISO 8301
Linear expansion coefficient //	1.0E-6/K	18	ISO 11359-2
Physical properties			
Density	g/cm ³	1.37	ISO 1183
Water absorption (24h, 23°C)	mg/%	250/0.73	ISO 62
Friction coefficient	my	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
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(*) no longer valid since March 2003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 2000 x 1000 mm, 2000 x 1000mm
Tolerance +70 / - 0 mm

Thickness range 0.3 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.

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