

Laminate



CANEVASIT FF-PTFE

- High pressure laminate suitable for mechanical requirements
- Self-lubricating and elastic features
- Very low friction coefficient

Description

Canevasite FF-PTFE is a fine weave cotton fabric bonded with phenolic resin and PTFE incorporated.

Specifications

IEC/DIN EN 60893 similar to PF CC 203
DIN 7735 similar to HGW 2083 (*)

(*) no longer valid since March 2003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.

Colour

Light beige

Applications

Vanes for oil free air motors
Stop, glide and guide ledges
Friction and distance disks

	Unit	Value	Test norm
Mechanical properties			
Flexural strength	MPa	155	ISO 178
E-modulus	MPa	7500	ISO 178
Compressive strength // at 23°C	MPa	145	ISO 604
Compressive strength ⊥ at 23°C	MPa	300	ISO 604
Tensile strength	MPa	80	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	1.47	ISO 1183
Water absorption	mg/%	140/0.7	ISO 62
Friction coefficient	my	0.15	
Ball impression hardness	N/mm ²	175	DIN 53456

Form of delivery

Sheet format 1250 x 1050 mm
Size tolerance + 20 / - 0 mm

Thickness range 0.2 to 10 mm
Thickness tol. acc. to DIN EN 60893-3-4

Also available as panels or machined parts.
Other thicknesses on request

Processing

See safety data sheet

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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