

Laminate



CANEVASITE PF CC HV 60

- High pressure laminate for high mechanical stresses
- Very good electrical properties
- Suitable for use in aerospace applications

Description

Canevasite PF CC HV 60 is a fine cotton fabric laminate bonded with a phenolic based resin system.

Specifications

IEC/DIN EN 60893 similar PF CC 202
MIL-I-24768/16

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

Yellow brown

Applications

Electrical insulation in machines
Electrical insulation at low voltage
Insulation discs
Spacers
Aerospace applications

	Unit	Value	Test norm
Mechanical properties			
Flexural strength $\perp$	ksi	28.0	ASTM D790-17
Flexural strength $\parallel$	ksi	22.8	ASTM D790-17
E-modulus $\perp$	Mpsi	1.46	ASTM D790-17
E-modulus $\parallel$	Mpsi	1.19	ASTM D790-17
Izod impact strength $\perp$	Ft*lb/in ²	12.0	ASTM D256 A
Izod impact strength $\parallel$	Ft*lb/in ²	5.5	ASTM D256 A
Electrical properties			
Breakdown voltage $\parallel$, 90°C in oil	kV	20	ASTM D229
Thermal properties			
Temperature index (TI)	°C	120 (class E)	IEC 60216
Physical properties			
Density	lb/in ³	0.036	ISO 1183
Water absorption (24h, 23°C)	%	0.7	ASTM D570

Form of delivery

Sheet formats 2070 x 1070 ± 10 mm
Thickness range 0.5 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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