

# Laminates

## CANEVASIT PF CC 202

- High Pressure Laminate with good electrical properties
- Suitable for use in electrical machines and apparatus

### General description

Canevasit PF CC 202 is a fine cotton laminate bonded with phenolic resin.

### RoHS Directive

Hazardous products listed in the EU-directive 2002/95/CE (ROHS-directive), §4 section 1, are not used as ingredients in this material.

### Specifications

IEC/DIN EN 60893 PF CC 202  
DIN 7735 HGW 2082.5 (\*)  
BS 2572 F4  
NF C 150-C  
NEMA CE  
VSM S-PF CC 2  
(\*) no longer valid since March 2003

### Colour

Yellow brown

### Application

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

### Former denominations

HGW F24-E

### Form of delivery

Sheet formats 2050 x 1050 and 2040 x 1020 mm  
Tolerance of formats +/- 20 mm  
Thickness in range of 0,5 to 100 mm  
Thickness tolerances acc. to DIN EN 60893-3-4

Material also available as cut to size panels and machined parts.  
Other dimensions and thicknesses on request.

### Processing

Machining with carbide or diamond tools.

		Value	Test norm
<b>Physical properties</b>			
Density	g/cm <sup>3</sup>	1.35	ISO 1183
Water absorption 24h 23°C	mg / %	75 / 0,55	ISO 62
<b>Thermal properties</b>			
Temperature index (TI)	°C	120	IEC 60216
Thermal conductivity	W/m.K	0.2	DIN 52612
Coefficient of linear expansion //	1.0E-6 / K	18	VDE 0304
<b>Mechanical properties</b>			
Flexural strength	MPa	135	ISO 178
Modulus of elasticity	MPa	7500	ISO 178
Edgewise notched impact strength Charpy	kJ/m <sup>2</sup>	9	ISO 179
<b>Electrical properties</b>			
Breakdown voltage //, 90°C in oil	kV	24	IEC 60243-1
Flatwise electric strength, 90°C in oil	kV/mm	3	IEC 60243-1
Insulation resistance after the immersion in water	Ω	5.00E+7	IEC 60167
Comparative tracking index CTI	V	100	IEC 60112

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