

Laminates

CANEVASIT PF CC 203

- High Pressure Laminate suitable for small machined parts
- Used for tight tolerances and high mechanical stress

General description

Canevasit PF CC 203 is a very fine cotton laminate bonded with phenolic resin.

RoHS Directive

Hazardous products listed in the EU-directive 2011/65/EU (ROHS-directive), annex II, are not used as ingredients in this material.

Specifications

IEC/DIN EN 60893	PF CC 203
DIN 7735	HGW 2083 (*)
BS 2572	F2
NFC 26-150	CC
NEMA LI-1	L
VSM	S-PF CC 3

(*) no longer valid since March 2003

Colour

Yellow brown

Application

Construction of jigs and fixtures
Gear wheels modulus < 1
Guide and stop ledges
Revolving parts
Vanes and slides for compressors / vacuum pumps

Former denominations

HGW FF- HW
Canevasite 62.170
Canevasit 410.00

Form of delivery

Sheet formats 2050 x 1050 +/- 20 mm, 2040 x 1020 +/- 20 mm and 2400 x 1220 +/- 10 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
Mechanical properties			
Flexural strength	MPa	155	ISO 178
Modulus of elasticity	MPa	7700	ISO 178
Edgewise notched impact strength Charpy	kJ/m ²	10	ISO 179
Compressive strength at 23°C, flatwise	MPa	310	ISO 604
Compressive strength //, at 23°C	MPa	175	ISO 604
Electrical properties			
Insulation resistance after the immersion in water	Ω	1.00E+7	IEC 60167
Breakdown voltage //, 90°C in oil	kV	5	IEC 60243-1
Flatwise electric strength, 90°C in oil	kV/mm	1	IEC 60243-1
Thermal properties			
Temperature index (TI)	°C	120	IEC 60216
Coefficient of linear expansion //	1.0E-6 / K	18	VDE 0304
Thermal conductivity	W/m.K	0.2	DIN 52612
Physical properties			
Density	g/cm ³	1.34	ISO 1183
Water absorption (24h 23°C)	mg / %	140 / 1,0	ISO 62

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