



La MISOLET

Lavorazione Materiale Isolante Elettrico e Termico

Lavorazioni CNC e tradizionali a disegno
Minuterie tranciate
Vendita diretta
Lastre o pannelli a misura – Tondi – Tubi di:
Tela Bachelizzata e Carta Bachelizzata
Vetroresina Epossidica Nema G10 e G11,
Siliconica Nema G7 e Melaminica Nema G5
Vetroresina Poliestere GPO3
Materiali Termoisolanti – Mica e Micanite
ATTREZZERIA INTERNA

DATA SHEET

Laminate:

Canevasite F18 V0 HF

Description: High pressure laminate suitable for mechanical and electrical uses

- ▶ High pressure laminate suitable for mechanical and electrical applications.
- ▶ Very low smoke emission and toxicity in case of fire.
- ▶ Flame resistant acc. to UL 94 (class V0 at 4 mm thickness).

General description

Canevasit F18 V0 HF is a standard cotton fabric laminate bonded with epoxy resin.

Colour
red

Application

Railway and traffic engineering
Vehicle construction
Low smoke parts in aircrafts, ships and trains

Former denominations

HGW F18 V0 HF
Canevasite 62.150

Form of delivery

Sheet formats 2000 x 1000 mm
Tolerance of formats + 70 /- 0 mm
Thickness in range of 2,0 to 50 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 110	ISO 178
Flexural strength at 150°C / 1h	MPa 60	ISO 178
Modulus of elasticity	MPa 9000	ISO 178
Tensile strength	MPa 70	ISO 527
Compressive strength //, at 23°C	MPa 150	ISO 604
Flatwise compressive strength	MPa 250	ISO 604
Edgewise notched impact strength Charpy	kJ/m ² 10	ISO 179
Electrical properties		
Insulation resistance after the immersion in water	Ω 1.00E+8	IEC 60167
Breakdown voltage //, 90°C in oil	kV 10	IEC 60243-1
Flatwise electric strength, 90°C in oil	kV/mm 5	IEC 60243-1
Arc resistance	s 180	ASTM D 495
Comparative tracking index CTI	V 600	IEC 60112
Physical properties		
Density	g/cm ³ 1.5	ISO 1183
Thermal properties		
Temperature index (TI)	°C 150	IEC 60216
Thermal conductivity	W/m.K 0.25	DIN 52612
Coefficient of linear expansion //	10E-6 / K 25	VDE 0304
Physical properties		
Water absorption 24h 23°C	mg / % 130 / 1.0	ISO 62
Flammability	Stufe V0/d=4 mm	UL 94

The values shown above are indicative as they represent the average values observed during our routine control tests.

The user must make sure that the product he requests is compatible with the use to which it is destined.

Ed. June 2013