



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:

MISOGLOSS2

Description: Glass mat laminate, particularly suitable for thermal insulation of presses up to 250° C continuous operating temperature.

Applications: Misoglass2 is fit for the most exacting applications: it has high mechanical properties and a good dimensional stability at high temperatures.

		unit	average values
Physical properties	Colour		light green
	Specific gravity	g/cm ³	2,0
	Water absorption (thickness 10mm)	%	0,15
	Chemical products resistance		Good
	Sheet size	mm	2400x1200
	Available thicknesses	mm	5 ÷ 50
Mechanical properties	Compressive strength \perp at 20° C	N/cm ²	55000
	Modulus of elasticity	N/cm ²	1800000
	Delamination strength	N	5000
	Flexural strength at 20° C	N/cm ²	30000
	Tensile stress at 20° C	N/cm ²	25000
Dielectrical properties	Dielectric strength \perp to lamination (in oil)	KV/mm	12
	Dielectric strength // to lamination (in oil)	KV/mm	3
	Surface resistivity	Ω	10 ¹³
Thermal properties	Thermal classification		H (180° C)
	Continuous operating temperature	°C	250
	Maximum operating temperature	°C	350
	Thermal conductivity	W/m°C	0,23
	Coefficient of linear expansion // to folds	m/mK	16 10 ⁻⁶
	Coefficient of linear expansion \perp to folds	m/mK	45 10 ⁻⁶

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Tolerances on thickness from 5 to 10 mm			
Thickness tolerance	mm		$\pm 0,10$
Maximum deviation per sheet	mm		0,08
Tolerances on thickness from 11 to 20 mm			
Thickness tolerance	mm		$\pm 0,15$
Maximum deviation per sheet	mm		0,15
Tolerances on thickness from 21 to 50 mm			
Thickness tolerance	% of thickn.		± 1
Maximum deviation per sheet	mm		0,20

We are available to effect cutting to measurement as well as machining to drawing of parts by CNC.

TO BE KEPT in dry stores, in a horizontal position.

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.