



La MISOLET

Working Of Electric And Thermo Insulating Materials

CNC machining by customers' drawing

Blanked findings

Direct selling

Sheets and panels – Rods – Tubes made of:

Bakelized Cloth and Bakelized Paper

Epoxy Glass Nema G10 and G11,

Silicone Nema G7 and Melamine Nema G5

Polyester Glass GPO3

Thermo Insulating Materials – Mica and Micanite

TOOLING, BLANKING AND DIEMAKING

DATA SHEET

Laminate:

LMR-1

Description: Micanite LMR-1

		Unit	Average values
Physical properties	Specific gravity	g/cm ³	2,1
	Water absorption 24h/23°C	%	0,8
	Sheet size	mm	1200x1000
	Available thicknesses	mm	0,1 ÷ 60
	Weight loss at 550° C	%	2,0
	Mica contents	%	90
	Binder	%	10
	Dielectric strength	KV/mm	20
	Self extinguishing		UL 94 V0
Mechanical properties	Compressive strength \perp at 23°C	N/cm ²	40000
	Compressive strength \perp at 180°C	N/cm ²	30000
	Compressive strength \perp at 250°C	N/cm ²	27000
	Compressive strength \perp at 300°C	N/cm ²	25000
	Mechanical and pressing properties		Excellent
Thermal properties	Thermal classification		H (180°C)
	Continuous operating temperature	°C	550
	Thermal conductivity	W/mK	0,3

Thickness tolerances

Thickness from 0,1 to 1 mm	% of thickn.	± 10
Thickness from 1,5 to 5 mm	% of thickn.	± 7
Thickness from 6 to 30 mm	% of thickn.	± 5
Thickness from 31 to 60 mm	% of thickn.	± 3

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.

TO BE KEPT in dry stores, in a horizontal position

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

Ed. May 2012

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