



# 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:

**LTBGF**

**Description:** Laminate based on pure cotton fabric with fine texture and phenolic resins loaded with graphite.

		Unit	Average values	Test method	Test conditions
<b>Physical properties</b>	Colour		Black		
	Specific gravity	g/cm <sup>3</sup>	1,4	ISO 1183	-
	Water absorption mm 10	%	0,35	Mil P - 5431 A	D
	Thermal classification	°C	E (120°C)	IEC 60216	-
	Self extinguishing		HB	UL 94	-
	Thermal conductivity	W/mK	0,2	Mil P - 5431 A	A
<b>Mechanical</b>	Flexural strength $\perp$	MPa	137	ISO 178	A
	Tensile strength	MPa	78	ISO 527	A
	Compressive strength $\perp$	MPa	288	ISO 604	A

Product based on pure cotton fabric with fine texture and phenolic resins. It has excellent machining characteristics and low friction coefficient. Great for the construction of vanes for pumps, bushings, bearings etc. Thanks to its content of pleasing is self-lubricating, thus improving the life of the mechanical details derived from it.  
 Also produced in tubes of length 600 mm cl/ca AVSC (wound and compressed).

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.

**Test conditions:**

**A – Environment**

**D– After 24 hours in water at 20°C**

**LTBF**

**Laminate:**

La MISOLET



THICKNESS mm	TOLERANCE	Particular properties:
0,5	± 0,13	- fine-woven cotton-based laminated insulation phenolic resin and graphite (wires num. cm 24x24 2)
0,8	± 0,15	
1,0	± 0,16	
1,2	± 0,17	
1,5	± 0,19	
2,0	± 0,21	
2,5	± 0,24	
3,0	± 0,26	
4,0	± 0,32	
5,0	± 0,36	
6,0	± 0,40	
8,0	± 0,49	
10,0	± 0,56	
12,0	± 0,64	
15,0	± 0,76	
18,0	± 0,80	
20,0	± 0,87	
25,0	± 1,02	
30,0	± 1,12	
35,0	± 1,24	

TO BE KEPT in dry stores, in a horizontal position

CAUTION: this material is photosensitive, light can gradually change the shade of colour.