



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
Physical properties	Colour		Black		
	Specific gravity	g/cm ³	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
Mechanical	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).

We inform you that the data reported on the data sheet are provided to the end user for the sole purpose of providing a range of parameters in order to assess the hypothetical suitability of the product to the actual use of the same, therefore to be considered indicative as they represent average values from laboratory tests. **The user must then test the product to determine its properties and its suitability for its intended use.**

Misolet s.r.l expressly disclaims all liability for any damage, injury and costs to persons and/or property, arising directly or indirectly from the use of the product that has not been preceded by tests with respect to the conditions of use to which the same will be intended. The data contained in this data sheet does not constitute a guarantee of any kind, express or implied, including any suitability for a particular use or purpose.

Test conditions:

A – Environment

D– After 24 hours in water at 20°C

Laminate:

LTBF

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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.

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