



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:

LBAT

Description: Paper base laminate with phenolic resin suitable for high tension electrical applications

According to specifications	CEI 15/10 DIN 7735 NEMA LI - 1	AT Hp 2061.5 XX	unit	average values	test method	test conditions
Physical properties	Colour			natural		
	Specific gravity		g/cm ³	1,4	CEI	a
	Water absorption mm 10		%	2	CEI	b + d
	Thermal classification			E120	CEI	-
	Self extinguishing			-	UL 94	-
	Flame resistance (ignition time)		s	-	ASTM D229	-
	Flame resistance (extinction time)		s	-	ASTM D229	-
Mechanical properties	Compressive strength //		N/cm ²	12000	CEI	a
	Flexural strength ⊥		N/cm ²	12000	CEI	a
	Bonding strength //		N	3000	CEI	a
	Tensile stress		N/cm ²	13000	CEI	a
	Impact strength		Ncm/cm ²	250	CEI	a
	Rockwell hardness		HRM	100	CEI	a
Electrical properties	Dielectric strength ⊥ to lamination		KV/mm	17	CEI	f
	Dielectric strength // to lamination		KV	40	CEI	f
	Surface resistivity		MΩ	10 ⁵	CEI	c
	Volume resistivity		MΩ/cm	10 ⁵	CEI	c
	Insulation resistance		MΩ	10 ⁵	CEI	c
	Dielectric constant 1MHz			-	-	-
	Dissipation factor 1MHz			-	-	-
	Comparative tracking index		V	-	IEC 112	-
	Traking resistance (2500V)		minutes	-	ASTM D2303	-
	Arc resistance		s	-	ASTM D495	-

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 condition:

a) 48h 15-35°C 45/75 % relative humidity **b)** 1h 105°C **c)** 24h 105°C **d)** 24h 23°C in water
e) 48h 50°C in water **f)** 24h 120°C in oil **g)** 96h 45°C 95% relative humidity

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THICKNESS mm	TOLERANCE	Particular properties:
1,0	± 0,11	- Good mechanical properties - Good insulating property - Used for high tension units both in air and in oil
1,2	± 0,13	
1,5	± 0,14	
2,0	± 0,17	
2,5	± 0,20	
3,0	± 0,20	
3,5	± 0,25	
4,0	± 0,25	
5,0	± 0,30	
6,0	± 0,35	
8,0	± 0,40	
10,0	± 0,50	
12,0	± 0,50	
14,0	± 0,55	
16,0	± 0,60	
18,0	± 0,65	
20,0	± 0,70	
25,0	± 0,80	
35,0	± 1,00	
40,0	± 1,00	
45,0	± 1,00	
50,0	± 1,20	
-	-	
-	-	
-	-	
-	-	

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