



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:

LG7

Description: Glass cloth and silicone resin binder laminate

According to specifications	CEI 15/10	SV	unit	average values	test method	test conditions
	CEI EN 60893	SI GC 202				
	DIN 7735	Hgw 2572				
	NEMA LI - 1	G7				

Physical properties	Colour	natural			
	Specific gravity	g/cm ³	2	ISO 1183	a
Water absorption mm 3	mg	40	ISO 60893-2	b + d	
Thermal classification		H (180°C)	IEC 60216	-	
Self extinguishing		V0	UL 94	-	
Thermal conductivity	W/mK	0,3	ISO 8302	-	
Expansion coefficient	10 ⁻⁶ /K	12	VDE 0304/VSM	-	

Mechanical properties	Compressive strength //	N/cm ²	5000	CEI	a
	Flexural strength ⊥	MPa	120	ISO 178	a
Bonding strength //	N	2500	CEI	a	
Tensile stress	MPa	130	ISO 527	a	
Impact strength Charpy //	KJ/m ²	25	ISO 179	a	
Rockwell hardness	HRM	80	CEI	a	

Electrical properties	Dielectric strength ⊥ to lamination 3 mm	KV/mm	5	ISO 60243-1	e
	Dielectric strength // to lamination	KV	25	ISO 60243-1	e
Surface resistivity	MΩ	10 ³	ISO 60167	d	
Dielectric constant (permittivity) at 1 MHz		6	ISO 60250	d	
Dissipation factor at 1MHz		0,07	ISO 60250	d	
Comparative tracking index	V	600	IEC 112	a	
Tracking 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

Laminate:

LG7

La MISOLET



THICKNESS mm	TOLERANCE	Particular properties:
0,5	± 0,13	- Excellent dielectric properties - Suitable for high thermic stress (200°C)
0,8	± 0,20	
1,0	± 0,20	
1,5	± 0,25	
2,0	± 0,30	
2,5	± 0,30	
3,0	± 0,35	
4,0	± 0,40	
5,0	± 0,50	
6,0	± 0,60	
8,0	± 0,80	
10,0	± 0,90	
12,0	± 1,00	
16,0	± 1,10	
20,0	± 1,20	
25,0	± 1,40	
30,0	± 1,80	
35,0	± 2,00	
-	-	
-	-	
-	-	
-	-	
-	-	
-	-	
-	-	
-	-	

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

Ref. 217.23-120115; 216.08623-A1:2010-270410
Edit. September 2017