



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
	DIN 7735	Hgw 2572				
	NEMA LI - 1	G7				
Physical properties	Colour			natural		
	Specific gravity		g/cm ³	2	CEI	a
	Water absorption mm 3		%	0,5	CEI	b + d
	Thermal classification			H (180°C)	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	5000	CEI	a
	Flexural strength ⊥		N/cm ²	11000	CEI	a
	Bonding strength //		N	2500	CEI	a
	Tensile stress		N/cm ²	15000	CEI	a
	Impact strength		Ncm/cm ²	1000	CEI	a
	Rockwell hardness		HRM	80	CEI	a
Electrical properties	Dielectric strength ⊥ to lamination		KV/mm	6	CEI	e
	Dielectric strength // to lamination		KV	15	CEI	e
	Surface resistivity		MΩ	10 ⁵	CEI	d
	Volume resistivity		MΩ/cm	10 ⁷	CEI	d
	Insulation resistance		MΩ	10 ³	CEI	d
	Dielectric constant 1MHz			6	CEI	d
	Dissipation factor 1MHz			0,07	CEI	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

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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	
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-	-	
-	-	
-	-	
-	-	
-	-	
-	-	
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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