



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:**LMV****Description:** Glass cloth and melamine resin binder laminate

According to specifications	CEI 15/10	MV	unit	average values	test method	test conditions
	CEI EN 60893	MF GC 201				
	DIN 7735	Hgw 2272				
	NEMA LI - 1	G 5				

Physical properties	Colour	translucid natural				
	Specific gravity	g/cm ³	2	ISO 1183	a	
	Water absorption mm 1	mg	123	IEC 60893-2	b + d	
	Thermal classification		B (130°C)	IEC 60216	-	
	Self extinguishing		V0	UL 94	V0	
	Thermal conductivity	W/mK	0,3	ISO 8302	-	
	Expansion coefficient	10 ⁻⁶ /K	15	VDE 0304/VSM	-	

Mechanical properties	Compressive strength //	MPa	275	ISO 604	a
	Flexural strength ⊥	MPa	240	ISO 178	a
	Bonding strength //	N	5000	CEI	a
	Tensile stress	MPa	170	ISO 527	a
	Impact strength Charpy //	KJ/m ²	31	ISO 179	a
	Rockwell hardness	HRM	100	CEI	a

Electrical properties	Dielectric strength ⊥ to lamination 3 mm	KV/mm	5	ISO 60243-1	a
	Dielectric strength // to lamination	KV	15	ISO 60243-1	a
	Surface resistivity	MΩ	10 ²	ISO 60167	c
	Dielectric constant 1MHz		-	-	-
	Dissipation factor 1MHz		-	-	-
	Tracking resistance	V	600	IEC 60112	a
	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:

LMV

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THICKNESS mm	TOLERANCE	Particular properties:	
0,5	± 0,13	- Good arc resistance	
0,8	± 0,20	- Good mechanical and dielectric characteristics	
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

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