



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 \perp | MPa | 600 | ISO 604 | a |
| | Flexural strength \perp | MPa | 352 | ISO 178 | a |
| | Bonding strength // | N | 5000 | CEI | a |
| | Tensile stress | MPa | 300 | ISO 527 | a |
| | Impact strength Charpy // | KJ/m ² | 90 | ISO 179 | a |
| | Rockwell hardness | HRM | 100 | CEI | a |
| Electrical properties | Dielectric strength \perp 3 mm | KV/mm | 11,1 | ISO 60243-1 | a |
| | Breakdown voltage | KV | 24 | ISO 60243-1 | a |
| | Surface resistivity | M Ω | 10 ² | ISO 60167 | c |
| | Dielectric constant 1MHz | | - | - | - |
| | Dissipation factor 1MHz | | - | - | - |
| | Tracking resistance | V | 600 | IEC 60112 | a |
| | Arc resistance | s | 198 | ASTM D495 | - |

The properties of the product indicated in this data sheet are based on the results of tests of typical material produced by companies affiliated to La Misolet S.r.l.. Some variations in product properties are typical. La Misolet s.r.l neither claims nor guarantees that the use of its product will have the results described in this data sheet or that the information provided is complete, accurate or useful. The user should test the product to determine its properties and its suitability for the intended use. Misolet s.r.l expressly disclaims any liability for any damage, damage, injury, cost or expense to any person arising directly or indirectly from the reliance on any information contained in this data sheet. La Misolet s.r.l does not provide any warranty in this data sheet, expressed or implied, including any implied warranty or fitness for a particular use or purpose. Misolet s.r.l shall not be liable under any circumstances for incidental, exemplary, punitive or consequential damages.

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

(Page 1 of 2)

La MISOLET S.r.l.

Uffici e Produzione: SP142, 4c - 26867 Somaglia (LO) - Italy
Tel.: +39-0377/43.71.25 (4 Linee R.A.) - Fax +39-0377/31.94.76

C.F. e P. IVA 06943440153

Sede Legale: Via Verbano, 8 - 20139 Milano
Internet: www.misolet.it - E-mail: info@misolet.it

Laminate:

LMV

La MISOLET



| 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.