



La MISOLET

Working Of Electric And Thermo Insulating Materials

CNC machining by customers' drawing
Blanked findings
Direct selling
Sheets and panels – Rods – Tubes made of:
Bakelized Cloth and Bakelized Paper
Epoxy Glass Nema G10 and G11,
Silicone Nema G7 and Melamine Nema G5
Polyester Glass GPO3
Thermo Insulating Materials – Mica and Micanite
TOOLING, BLANKING AND DIEMAKING

TECHNICAL CHARACTERISTICS

Laminated: **DEL THERM1**

Description: Laminate based of MAT. glass fibre and special epoxy resin for continuous operation at 240°C. Main features:

- Free from asbestos
- Low heat conductivity
- excellent tolerances with respect to parallelism
- Easy to work
- Long life expectancy
- Low water absorption
- Good stability of hydrocarbons
- Good chemical stability
- Excellent mechanical durability
- Excellent electrical properties

The low conductivity of the product allows a substantial saving of energy costs. As a result of low water absorption and chemical stability, there is an increase in the life expectancy of thermal insulation. The product is based on a glass fabric (fibreglass, mica paper and a resin resistant to high temperatures). This material is free from asbestos, has a high temperature resistance and has good mechanical resistance even at high temperatures.

From a mechanical point of view the material can be easily machined.

Application: Deltherm1 is designed for all applications where thermal insulation under compression conditions is required (hot presses with temperatures up to 240°C continuously and peaks at 280°C); It has excellent mechanical and physical properties under compression at high temperatures.

Rohs Directive: Material does not contain products referred to in EU Directive 2002/95/EC section 1.

Thickness. Standard : 3 mm to 50 mm. Other thicknesses available on request.

Bi-ground thickness tolerances :

Thickness 10 = +/-0,10 mm

Thickness between 10 and 15 = +/-0,15 mm

Thickness > 15 = 1% of thickness

Plate sizes : 1335x940 – 2950x1335

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Mechanical properties	Unit	Values	Norm
Resistance to the bending	MPa	420	ISO 178
Compression strength at 23°C flat	MPa	590	ISO604
Compression resistance 200°C flat	MPa	270	ISO604

Dielectric properties	Unit	Values	Norm
Dielectric strength flat	kV/mm	15	IEC 60243-1

Physical properties	Unit	Values	Norm
Density	g/cm ³	1,9+/-0,10	ISO 1183
Water consumption 24h	%	0,08	ISO 62
Color		beige chiaro	

Thermal properties	Unit	Values	Norm
Thermal insulation	°C	240	
Maximum thermal insulation (for short term)	°C	280	
Thermal conductivity	W/m.K	0,24	DIN 52612
Coefficient of linear expansion //	1.0E-6 / K	15	

STORAGE: in dry places, in horizontal position.

We are available to effect cutting to measurement as well as machining to drawing of parts by CNC

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