



# 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, Micanite  
TOOLING, BLANKING AND DIEMAKING

## DATA SHEET

### MISOTHERM 500

**Description :** MISOTHERM 500 is an asbestos-free high-density sheet. Reinforced with inorganic fibers. This material has been specially designed for those applications in which the sheets in common cementitious material are not able to withstand the combination of mechanical and thermal stresses. Available in 1220x910 mm format and in thicknesses from 6 to 75 mm.

**Application :** Glass industry, walls and roofs for induction furnaces, shelves for furnaces and supports for cathodes.

**Advantages:** Dimensional stability, good linear shrinkage, non-combustible, resistant to thermal shock and easily workable;

		Unit	Medium Values
<b>Physical properties</b>	Specific gravity	g/cm <sup>3</sup>	1,75
	Water absorption x 24h umidity at 75%	%	2,5
	Water absorption x 24h inside water	%	15
	Continuous working temperature	°C	500
	Maximum operating temperature	°C	700
<b>Caratteristiche meccaniche</b>	Flexural strength at room temperature	Mpa	35
	at 350°C for 24 h	Mpa	24
	at 500°C for 24 h	Mpa	22
	Compressive strenght	Mpa	120
	Brinell hardness		26
<b>Caratteristiche Termiche</b>	Thermal conductivity at 100 ° C	W/m°K	0,37
	Thermal conductivity at 150 ° C	W/m°K	0,42
<b>Termiche</b>	Thermal conductivity at 200 ° C	W/m°K	0,47
<b>Caratteristiche Dielettriche</b>	Dielectric strength (dry)	KV/mm	2,9
<b>Dielettriche</b>	Arc resistance	Sec.	370

We inform you that the data reported on the data sheet are provided to the end user for the sole purpose of providing a range of parameters in order to assess the hypothetical suitability of the product to the actual use of the same, therefore to be considered indicative as they represent average values from laboratory tests. **The user must then test the product to determine its properties and its suitability for its intended use.**

Misolet s.r.l expressly disclaims all liability for any damage, injury and costs to persons and/or property, arising directly or indirectly from the use of the product that has not been preceded by tests with respect to the conditions of use to which the same will be intended. The data contained in this data sheet does not constitute a guarantee of any kind, express or implied, including any suitability for a particular use or purpose.

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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