



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

Material :

LMR1

Description: **Sheet of Mica Continua Muscovite**

Sheet measure	1200x1000 mm			
Thicknesses	Up to 80 mm			
Tolerances for thicknesses from mm 0,2 to 0,4	+/-0,05			
Tolerances for thicknesses from mm 0,5 to 0,6	+/-0,07			
Tolerances for thicknesses from mm 0,7 to 0,8	+/-0,08			
Tolerances for thicknesses from mm 1 to 5	±10%			
Tolerances for thicknesses from mm 5 to 30	± 7%			
Tolerances for thicknesses from mm 30 to 80	± 5%			
Mechanical properties				
	Norm	Unit	Medium values	
Density	IEC371-2	g / cm ³	2,20	
Compressive Strength	at 20°C	ISO 604	Mpa	550
	at 200°C		Mpa	250
Tensile Strength	ISO 527	Mpa	100	
Flexure Strength	ISO 178	Mpa	190	
Dielectric properties				
	Norm	Unit	Medium values	
Dielectric Strength	IEC 243	At 20°C	kV/mm	25
		At 400°C/1 hour, test at 20°C A	kV/mm	13
		600°C/1 hour, test at 20°C	kV/mm	10
Tensile Strength	IEC 112	V	500	
Relative dielectric constant	IEC 250	20°C		6,5
		400°C		7
Bending strength	ASTM D495 VDE 0303	sec. L3	≥420 2.2.1.0	
Other properties				
		Unit	Medium values	
Heat resistance		In continue	°C	500
		with peak	°C	700
Resistance at thermal shocks		Until thickness 6 mm	°C	500
		Thickness superior to 6 mm	°C	400
Thermal conductivity perpendicular to the sheet			W/m · K	0,3
		Along the level of the sheet	W/m · K	3
Thermal expansion		Perpendicular to the sheet	10 ⁻⁶ /K	100
		Along the level of the sheet	10 ⁻⁶ /K	10
Fire resistance and low smoke classification				
Characteristic	Norm	Class		
Fire resistance classification	UL 94	94 V0		
Toxic smoke classification	CEI 2037/85	Index 0,16		

Material certified following the norm EN45545-2 : 2015

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.

Ed. July 2021 Rif.217.00035-20180101; 216.00819-20161003; 216.01427-090720v2;

La MISOLET S.r.l.

Tel.: +39-0377/43.71.25 (4 Linee R.A.) - Fax +39-0377/31.94.76

Uffici e Produzione: SP142, 4c - 26867 Somaglia (LO) - Italy

C.F. e P. IVA 06943440153

Internet: www.misolet.it - E-mail: info@misolet.it

Sede Legale: Via Verbano, 8 - 20139 Milano