



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
 Vetrosina Epossidica Nema G10 e G11,
 Siliconica Nema G7 e Melaminica Nema G5
 Vetrosina 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 at 200°C	ISO 604	Mpa
			Mpa
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
		At 400°C/1 hour, test at 20°C	kV/mm
		A 600°C/1 hour, test at 20°C	kV/mm
Tensile Strength	IEC 112	V	500
Relative dielectric constant	20°C 400°C	IEC 250	6,5
		IEC 250	7
Bending strength	ASTM D495 VDE 0303	sec. L3	≥420 2.2.1.0
Other properties			
		Unit	Medium values
Heat resistance	In continue with peak	°C	500
		°C	700
Resistance at thermal shocks	Until thickness 6 mm Thickness superior to 6 mm	°C	500
		°C	400
Thermal conductivity perpendicular to the sheet	Along the level of the sheet	W/m·K	0,3
		W/m·K	3
Thermal expansion	Perpendicular to the sheet Along the level of the sheet	10 ⁻⁶ /K	100
		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

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