



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 :**LMPHL****Description: Sheet of Mica Continua Phlogopite**

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	240
Tensile Strength		ISO 527	Mpa	100
Flexure Strength		ISO 178	Mpa	210
Dielectric properties				
		Norm	Unit	Medium values
Dielectric Strength		IEC 243	kV/mm	25
At 20°C			kV/mm	13
At 400°C/1 hour, test at 20°C			kV/mm	10
A 600°C/1 hour, test at 20°C				
Tensile Strength		IEC 112	V	525
Relative dielectric constant				
20°C		IEC 250		6,5
400°C		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			°C	700
with peak			°C	1000
Resistance at thermal shocks				
Until thickness 6 mm			°C	400
Thickness superior to 6 mm			°C	200
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

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