

laminates

HEATER SAMICANITE 41610

- ▶ Good mechanical properties
- ▶ Easy punchability
- ▶ Excellent thermal characteristics
- ▶ Low water absorption
- ▶ Good electrical insulation characteristics
- ▶ Flammability according to UL 94 : classification V-0

General description

Heater Samicanite 41610 is a laminate made of Muscovite mica paper impregnated with a high temperature silicone resin system.

RoHS Directive

Hazardous products listed in the EU-directive 2002/95/CE (ROHS-directive), §4 section 1, are not used as ingredients in this material.

Application

Heater Samicanite 41610 is particularly designed to make heating resistance supports and high temperature resistant insulation parts :

- In household appliances : toasters, hairdryers, coffee machines, hotplates, flat irons, micro-ovens, convectors, etc...
- In industrial appliances : heating rings, industrial heating appliances, thermal protection...

Form of delivery

Heater Samicanite 41610 is supplied in sheets of 1200 0/+2mm x 1000 0/+2mm.

Standard thicknesses : 0,2 to 2,0mm.

Thickness tolerances : see IEC 60371-3-3.

Heater Samicanite 41610 is supplied :

- in sheets sanded or unsanded
- in strips sanded or unsanded
- as punched parts according to drawings.

		Value	Test norm
Physical properties			
Density	g/cm ³	2.2 ±0.1	ISO 1183 (method A)
Water absorption 24h 23°C	%	0.5	ISO 62 (method 1)
Flammability		94 V-0	UL 94
Mica content	%	>90	
Electrical properties			
Flatwise electric strength, step by step test, in oil at 90°C	kV/mm	20	IEC 60243-1
Comparative tracking index - CTI	V	600	IEC 60112
Mechanical properties			
Flexural strength at 23°C, flatwise	MPa	170	ISO 178
Thermal properties			
Maximum heat resistance (for short periods)	°C	900	
Heat resistance	°C	600	
Thermal conductivity	W/m.K	0.20	DIN 52612

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