



SmithLamina™

Synthetic Mica Sheet

Smitherm Synthetic Mica Plate is manufacture using best quality synthetic Mica paper with Silicon resins binder under specific heat and pressure to produce Rigid and flat surface sheets.

Synthetic mica has high temperature resistance then Muscovite and Phlogophite Mica. Synthetic mica is extensively applied on products with strict requirement of high dielectrically strength and high temperature resistance.

AVAILABILITY

- Standard Size: 1000mm x 1200mm ,1000mm x 600mm
- Thickness: 0.2mm to 20 mm (+/- 5%)

TECHNICAL DATASHEET

Characteristics		unit	smitherm – ss14
Mica type			synthetic
Colour			white
Mica content		% min	90
Resin content		% max	10
Density		gm/cm ³	2.2~2.3
Heat resisting continuous		°c	900
Heat resisting intermittent		°c	1100
Dielectric Strength	20°c		>25
	400°c / 1 hrs	KV/mm	>13
	600°c / 1 Hrs		>10
Tensile strength		n/mm ²	140
Flexural strength		n/mm ²	180
Water absorbatation		%	<1.5
Thermal conductivity		w/ m.k	0.3

Data are average results of laboratory tests conducted under standard procedures and are subject to Variation, These do not constitute a warranty or representation for which we assume legal responsibility

All values are attributes of the used raw materials.

The physical data contained in this table are typical values. They are obtained on test specimens under specific conditions and represent average values of a large number of tests. The results obtained on these tests specimens cannot be applied to finished parts without reservations, as behaviour is influenced by processing and shaping.