



SmithLamina™

Flexible Mica Sheet

Smitherm Flexible Mica Plate is manufacture using best quality Muscovite or Phlogophite Mica paper with flexible resinous binder under specific heat and pressure to produce flexible and flat surface sheets.

Flexible Mica Plates is a good heat resistant Insulating material, which retains its permanent flexibility at room temperature. It is widely used for Transformers, Electric furnace, electric home appliances where insulation require in uneven shapes.

TECHNICAL DATASHEET

Characteristics		smitherm - fms	smitherm - fps
Mica type		muscovite	phlogophite
Colour white cream brown			
Sheet size	mm	1000 x 600mm, 1000x1200mm	
Thickness	mm	0.15 – 3mm (+/-5%)	
Mica content	% min	85	85
Resin content	% max	15	15
Density	gm/cm ³	2.1 ~ 2.2	2.1 ~ 2.2
Heat resisting continuous	°c	500	800
Heat resisting intermittent	°c	800	1000
Dielectric strength @23°c	kv/mm	>16	>16
Tensile strength	kgf/15mm	>12	>12
Water absorbaton	%	<0.5	<0.5

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.