



TDS

THIN (0.10 mm to 2.0 mm) MICA HEATER PLATE

Characteristics		Test Method	Muscovite Mica	Phlogopite Mica
Mica Content		IEC 371-2	> 90 %	
Silicone Content		IEC 371-2	< 10 %	
Thickness Tolerance(mm)	Average	IEC 371-2	+/-5%	
	Individual		+/-6%	
Standard Size (mm)		IEC 371-2	1000 x 600, 1000 x 1200, 1000 x 2400	
Density (gm/cm ³)		IEC 371-2	1.60~2.20	1.60~2.20
Flexural strength (N/mm ²)		ISO 178	≥180	≥160
Dielectric strength (KV/mm) at 23°C		IEC 243	>20	>18
Insulation resistance (M-ohm) at 23°C		IEC 93	200 ~ 600	100 ~ 600
Resistance to temperature	continuous		500°C	700°C
	peak		550°C	750°C
Weight Loss @ 550°C for 4 Hrs		IEC371-2	<1%	
Water Absorption after 24 hrs		ISO 62	<1%	

Description: It is composed of Muscovite or Phlogopite mica paper and small amount of heat resistant Silicon binder and has good properties of electrical and thermal insulation and retain their properties even after being exposed to heat.

Application: Punched mica heater plate for Toasters, hairdryers, electric rice cookers, electric ovens, microwave ovens, electric sterilizers, electric heating coil, electric Irons, electric stove, gasket, spacers etc. As thermal insulation in circuit breakers, as a divider between components affected by high heat loads,

Representative

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