

TECHNICAL DATA

FLEXIBLE MICA PLATE UL Cat. No. SM61 & 8M81

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UL UL FILE #E222948

Description : SM 61 & 8M81 is a flexible Silicone bonded mica paper which retains its flexibility permanently has two species. It is made of silicone bonded mica plate with specially formulated silicone resin. is **UL94V-0 RTI 200°C approval with UL file No. E222948**. It is widely used for class H, class C, Class R and Class S insulation of high voltage transformer for microwave oven, thermal barrier for home appliances, dry type transformer and industrial furnace

Application : SM61 & 8M81 series are flexible and can be permitted winding or wrapping into place without heating. They are used as linings, covers or backings, as a separating sheet or insulating sheet, application is : Heat gun, Hair dryers, Fan heaters, Circuit breakers, Transformers, Electric furnaces, Generator, Magnetic Coil Insulation etc.

Properties :

- Excellent resistance to heat up to 1000 °C
- Excellent Electrical Insulation
- Excellent tensile strength and easy to form at room temperature

Technical Data :	<u>UNIT</u>	<u>SM61/8M81</u>	<u>SM61P/8M81P</u>
Mica paper		Muscovite	Phlogopite
Thickness	mm	0.15 - 3.0	0.15 – 3.0
Thickness Tolerance	mm	± 10%	± 10%
Density	g/cm ³	ca. 2.0	ca. 2.0
Mica Content	%	>ca. 90	>ca. 90
Bond Content	%	<ca. 90	<ca. 90
Dielectric Strength	kV/mm	>20	>20
Heat Resistance :			
Continuous Services	°C	500	700
Intermittent Service	°C	800	1000
Heat loss at 500°C	%	<1	<1
Heat loss at 700°C	%	<2	<2
Sheet Size	mm	1000 x 1200 / 1000x 2400 /1000 x 600	
		Test Procedure	IEC 371-2



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