

# TECHNICAL DATA

## FLEXIBLE MICA PLATE UL Cat. No. SM62 & 8M81

### P. LEO & CO LTD

P.O. Box 175 Fo Tan, Shatin, Hong Kong.  
Telephone : (852) 2604-8222 \* Facsimile : (852) 2693-2093  
E-mail : sales@pleo.com \* Web Site : <http://www.pleo.com>



**UL** UL FILE #E222948

**Description :** SM 62 & 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

<b>Technical Data :</b>	<u>UNIT</u>	<u>SM62/8M81</u>	<u>SM61</u>
Mica paper		Muscovite	Phlogopite
Thickness	mm	0.15 - 3.0	0.15 – 3.0
Thickness Tolerance	mm	± 10%	± 10%
Density	g/cm <sup>3</sup>	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	
		<b>Test Procedure</b>	<b>IEC 371-2</b>



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