

# TECHNICAL DATA

## RIGID MICA PLATE UL Cat. No. 8M81H

### P. LEO & CO LTD

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**UL** UL FILE #E222948

**Description :** S8M81H is a hard Silicone bonded rigid mica paper .It 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, industrial furnace, home appliances

**Application :** 8M81H series are high strength, good performance, smoke less and unusual smell small. They are used as linings, covers or backings of home appliances(such as toaster furnaces, microwave oven, fan heater, hair dryers,) and metallurgy(such as industrial furnace, intermediate frequency furnace, Electric arc furnace).

**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>8M81H</u>	<u>8M81PH</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

**Test Procedure**

**IEC 371-2**



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