

## **FLEXIBLE MICA SHEET** **(PRODUCT CODE - RMS22)**

This is a flexible sheet material made by combining Muscovite (M) or Phlogopite (P) Mica Paper with a Silicone resin binder (inorganic) under specific heat and pressure. It has excellent flexibility, heat resistance, moisture resistance and electrical properties. It does not emit smoke or odour. Muscovite Mica Paper based material can be used at temperatures up to 600° C while Phlogopite Mica Paper based material at temperatures up to 800° C depending on the application. The product is IEC 60371-3-3 compliant.

### **APPLICATION**

This is suitable for high temperature resistant gaskets, gas seal, band heaters, and ovens etc. These are some of the typical high temperature applications.

### **AVAILABILITY**

Size (Standard):  
 1200 x 1000 mm  
 600 x 1000 mm

Thickness:

0.1 - 1.5 mm

### **TECHNICAL DATA**

<b>Material:</b>		
Mica	%	90
Silicone	%	10
<b>Mechanical:</b>		
Density	g/cm <sup>3</sup>	2.0 ± 0.1
Tensile Strength	MPa	> 25
Compression	%	< 20
<b>Electrical:</b>		
Dielectric Strength	Kv/mm	> 20
<b>Thermal:</b>		
Operating Temperature	° C	500 - 600 (M) 700 - 800 (P)
<b>Other:</b>		
Weight Loss	%	< 0.5
Water Absorption	%	< 0.2

The data is from tests in our works and does not constitute a specification. No liability shall be implied or assumed from any data given.

Quality Assurance at all stages ensures very high standards.

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