

## RIGID MICA SHEET

(PRODUCT CODE - RMS21)

This is a strong rigid 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 physical strength, 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 heating element supports, winding cards and cover plate insulation in domestic appliances, industrial heating elements, high temperature washers, etc. These are some of the typical high temperature applications.

### **AVAILABILITY**

Size (Standard):

1200 x 1000 mm

600 x 1000 mm

Thickness :

0.1 - 75.0 mm

### **TECHNICAL DATA**

Material:

Mica	%	90
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Silicone	%	10
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Mechanical:

Density	g/cm <sup>3</sup>	2.2 ± 0.1
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Tensile Strength	MPa	> 150
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Flexural Strength	MPa	> 230
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Compressive Strength	MPa	> 400
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Electrical:

Dielectric Strength	Kv/mm	> 25
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Thermal:

Operating	° C	500 - 600 (M)
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Temperature		700 - 800 (P)
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Other:

Weight Loss	%	< 0.5
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Water Absorption	%	< 0.2
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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.

RMS21-02/10

**MANUFACTURER AND EXPORTER**

MICA, MICA PAPER MICA SHEET, TAPE, TUBE & PROFILES RESISTANCE WIRE MICA HEATING ELEMENT