

RIGID MICA SHEET
(PRODUCT CODE - RMS21-RUBY)

Mica Silicone Bonded Phlogopite Mica Rigid Sheet is a strong rigid sheet material made by combining 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. Phlogopite Mica Paper based material can be used at temperatures up to 900°C depending on the application. The product is IEC 60371-3-3 compliant and has UL approval.

APPLICATION

This is suitable for dynamic breaking resistors, 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
Silicone	%	10

Mechanical

Density	g/cm ³	2.25 ± 0.1
Tensile Strength	MPa	> 200
Flexural Strength	MPa	> 225
Compressive Strength	MPa	> 300

Electrical

Dielectric Strength	Kv/mm	> 25
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Thermal

Thermal Conductivity	W/m.k	0.14
	° C	700 - 800

Operating**Temperature****Other :**

Weight Loss	%	< 0.5
Water Absorption	%	< 0.2