



# THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

## Mica P - Flexible

### Silicone Bonded Mica Paper Laminate

Flexible Mica P is a high-temperature insulation material, offering superior sealing performance in extreme temperature applications. Mica P also provides good chemical resistance to solvents, acids, bases, and oils, making it the gasket material of choice for gas turbines, heat exchangers, and other burner applications.

**STANDARDS: NEMA FI1 Grade 6 | IEC Grade 371-3-9**

		ASTM/IEC		TYPICAL VALUES
PROPERTIES		Test Method	Units	Flexible Mica P
PHYSICAL	Phlogopite Mica Content	IEC 371-2	%	Min. 90
	Silicone Binder Content	IEC 371-2	%	Max. 10
	Density	IEC 371-2	g/cm <sup>3</sup> (lb/in <sup>3</sup> )	1.9 (0.068)
	Weight Loss	ASTM D3850	%	<4%
MECHANICAL	Tensile Strength	ASTM D638	MPa (PSI)	74 (10,700)
	Compressibility	ASTM F36 J	%	20
	Elastic Recovery	ASTM F36 J	%	30-37
ELECTRICAL	Dielectric Strength: 23°C	ASTM D149	kV/mm (V/mil)	20 (508)
THERMAL	Flammability	UL 94		V-0
	Thermal Expansion: 250°C	ASTM E228	cm/cm (in/in)	2.8 (10 <sup>-3</sup> )
	Thermal Conductivity: Perp. at 50°C	ASTM E1461	W/m·K	0.23
	Thermal Conductivity: Hor. at 250°C	ASTM E1461	W/m·K	0.21
	Max. Continuous Temperature		°C (°F)	700 (1,300)
	Max. Intermittent Temperature		°C (°F)	900 (1,650)

#### SHEET AVAILABILITY

##### SHEET SIZE

• 40" x 48"

##### THICKNESS

• 0.005" to 0.125"

#### SHEET AVAILABILITY (SI)

##### SHEET SIZE

• 1,016 mm x 1,219 mm

##### THICKNESS

• 0.013 mm to 3.175 mm

The Gund Company custom fabricates insulation materials to the exact specifications and drawings specified by our customers. We offer our customers the proper product for their specific application. A variety of dimensions and diameter sizes are available. Product colors vary according to material type.

The data supplied are typical values. They are not to be considered specification values. All of the information, suggestions, and recommendations about these properties and uses of the products herein are based on tests and data believed to be accurate; however, the final determination regarding the suitability of any material described herein for the contemplated application, the manner of such use, and whether the use infringes any patents is the sole responsibility of the user. There is no warranty - expressed or implied - including, without limitation, warranties of merchantability or fitness for a particular purpose. Under no circumstances shall we be liable for incidental or consequential loss or damage.