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/cm³ (lb/in³)	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^{-3})
	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	THICKNESS
• 40" x 48"	• 0.005" to 0.125"

SHEET AVAILABILITY (SI)

SHEET SIZE	THICKNESS
• 1,016 mm x 1,219 mm	• 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.