



THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

Mica P

Silicone Bonded Mica Paper Laminate

Mica is an alumino-silicate with exceptional physical, electrical, mechanical, and thermal characteristics. Its primary application is high-voltage and high-temperature electrical insulation.

MICA P is commonly used as a replacement for asbestos-based sheets in the construction and maintenance of high-temperature applications.

		ASTM/IEC	TYPICAL VALUES	
PROPERTIES		Test Method	Units	MICA P (Phlogopite)
PHYSICAL	Density	IEC 371-2	lb/in ³ (g/cc)	0.077 (2.13)
	Water Absorption: 0.125"	ASTM D570	%	<1
MECHANICAL	Tensile Strength	ISO 527	PSI (MPa)	15,955 (110)
	Compressive Strength: 20°C	ISO 604	PSI (MPa)	47,862 (330)
	Compressive Strength: 200°C	ISO 604	PSI (MPa)	34,809 (240)
ELECTRICAL	Arc Resistance	ASTM D495	Seconds	≥420
	Dielectric Strength: 20°C	IEC 243	V/mil (kV/mm)	625 (24.38)
	Dielectric Strength: 1 hour @ 400°C	IEC 243	V/mil (kV/mm)	325 (12.68)
	Dielectric Strength: 1 hour @ 600°C	IEC 243	V/mil (kV/mm)	250 (9.75)
	Track Resistance	IEC 112	V	525
THERMAL	Flame Resistance	UL 94		94 V-0
	Temperature Resistance: Continuous		°C	700
	Temperature Resistance: Peak		°C	1,000

SHEET AVAILABILITY

SHEET SIZE

- 48" x 120"

THICKNESS

- 0.004" to 3.000"

SHEET AVAILABILITY (SI)

SHEET SIZE

- 122 cm x 305 cm

THICKNESS

- 0.1 mm to 76.0 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.