



THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

MICA P

Item:	Mica P (Silicone Bonded Mica Paper Laminate)			
Description:	Mica is an alumino-silicate with exceptional physical, electrical, mechanical, and thermal characteristics with primary applications being in the area of high voltage and high-temperature electrical insulation. MICA P can be used as a replacement for asbestos based sheets in the construction and maintenance of high-temperature applications.			
Availability:	Laminate Sheets:	Sheet Size:	English Units (in) 48 x 120	SI Units (mm/cm) 122 x 305 (cm)
		Thickness:	0.004 to 3	0.1 to 76 (mm)
	Fabricated Parts:	The Gund Company custom fabricates insulation materials to the exact specifications and drawings specified by our customers.		

Key Characteristics	Test Method	Units	Typical Values - Phlogopite
Density	IEC 371-2	lb/in ³ (g/cc)	0.077 (2.13)
Water Absorption (0.125 ")	ASTM D-570	%	<1
Tensile Strength	ISO 527	psi (MPa)	15,955 (110)
Compressive Strength	ISO 604	psi (MPa)	at 20 °C 47,862 (330)
			at 200°C 34,809 (240)
Flame Resistance	UL 94	--	94 V-O
Temperature Resistance	--	°C	Continuous 700°
			Peak 1,000°
Arc Resistance	ASTM D-495	Seconds	≥420
Dielectric Strength	IEC 243	V/mil (kV/mm)	at 20 °C 625 (24.38)
			After 1 hr at 400°C 325 (12.68)
			After 1 hr at 600°C 250 (9.75)
Track Resistance	IEC 112	V	525

Data supplied above are typical values and are not to be considered specification values. All of the information, suggestions and recommendations pertaining to the properties and uses of the products herein are based upon tests and data believed to be accurate; however, the final determination regarding 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 warranty of merchantability or fitness for a particular purpose. Under no circumstances shall we be liable for incidental or consequential loss or damage.