



THE GUND COMPANY

Manufacturers & fabricators of engineered material solutions

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. It has found extremely successful application as a replacement for asbestos based sheets in the construction and maintenance of high-temperature applications.		
Availability:		English Units (in)	SI Units
	Thickness	0.004 to 3	0.1 mm to 76 mm
	Laminate Sheets: Sheet Sizes	48 x 120	122 cm x 305 cm
	Fabricated Parts:	The Gund Company custom fabricates insulation materials to the exact specifications and drawings of our customers.	

Key Characteristics		Test Method	Units - English (SI)	Typical Values - Phlogopite
Density		IEC 371-2	lbs/in (g/cc)	0.077 (2.13)
Water Absorption (.125")		ASTM D-570	%	<1
Tensile Strength		ISO 527	psi (MPa)	15,955 (110)
Compressive Strength	at 20°C	ISO 604	psi (MPa)	47,862 (330)
	at 200°C			34,809 (240)
Flame Resistance		UL 94	--	94 V-O
Temperature Resistance	Continuous	--	°C	700°
	Peak			1,000°
Arc Resistance		ASTM D-495	Seconds	≥420
Dielectric Strength	20° C	IEC 243	V/mil (kV/mm)	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