



THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

Flexible Mica P

Item:	Flexible Mica P		
Description:	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 turbine, heat exchangers and other burner applications.		
Standards:	NEMA FI1 Grade 6 • IEC Grade 371-3-9		
Availability:		English Units (in)	SI Units (mm)
	Thickness:	0.005 - 0.125	0.013 - 3.175
	Sheet Size:	40 x 48	1,016 x 1,219
Fabricated Parts:	The Gund Company custom fabricates insulation materials to the exact specifications and drawings specified by our customers.		

Key Characteristics	Test Method	Units - English (SI)	Typical Values
Phlogopite Mica Content	IEC 371-2	%	Min 90
Silicone Binder Content	IEC 371-2	%	Max 10
Density	IEC 371-2	g/cm ³ (lb/in ³)	1.9 (0.068)
Weight Loss	ASTM D3850	%	<4%
Tensile Strength	ASTM D638	MPa (psi)	74 (10,700)
Compressibility	ASTM F-36-J	%	20
Elastic Recovery	ASTM F-36-J	%	30-37
Flammability	UL94	--	V-O
Dielectric Strength, 23°C	ASTM D149	kV/mm (V/mil)	20 (508)
Thermal Expansion at 250°C	ASTM E228	cm/cm (in/in)	2.8 (10 ⁻³)
Thermal Conductivity	ASTM E1461	W/m-K	Perpendicular at 50°C
			Horizontal at 250°C
Maximum Continuous Temperature	--	°C (°F)	700 (1,300)
Maximum Intermittent Temperature	--	°C (°F)	900 (1,650)

AS9100C Certified | ISO/AS9100 Certified QMS | RoHS Compliant | ITAR Compliant

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.