



THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

Rag/Mylar & Rag/Mylar/Rag (RM & RMR) 100% Cotton Rag Paper and Electrical Grade Polyester Lamination

Cotton rag paper is laminated with a carefully selected adhesive system and is available in two- or three-ply combinations. RM and RMR grades provide high dielectric strength and heat stability, along with ease of fabrication and forming. They also exhibit good cut-through and tear resistance and can be saturated with varnishes and resins. These materials are suitable for various applications, including end winding insulation, slot insulation, phase insulation, and top stick insulation for motors and generators. Additionally, RM and RMR can be used for ground, barrier, and layer insulation in dry-type transformers. This material can also be custom-formed and fabricated into specific parts.

CERTIFICATIONS: MIL-I-19632

		ASTM	TYPICAL VALUES						
PROPERTIES	Test Method	Units (SI)	RM52	RM72	RMR525	RMR 555	RMR727	RMR10210	
PHYSICAL	Nominal Thickness	ASTM D374	In (mm)	0.007 (0.18)	0.009 (0.23)	0.012 (0.30)	0.015 (0.38)	0.016 (0.41)	0.022 (0.56)
MECHANICAL	Tensile Strength (MD)		lbs/in (width)	120	150	270	280	260	315
	Tensile Strength (CMD)		lbs/in (width)	75	90	140	150	150	195
	Graves Tear Strength (MD)	ASTM D1004	lbs	10	13	21	22	23	30
	Graves Tear Strength (CMD)	ASTM D1004	lbs	8	11	16	17	18	26
ELECTRICAL	Dielectric Strength	ASTM D149 ¹	Volts	10,000	10,000	11,300	16,500	13,500	14,000
	Dielectric Constant	ASTM D150 ²		3.6	3.8	3.8	3.8	3.5	3.8
	Dissipation Factor	ASTM D150 ³		0.006	0.006	0.006	0.006	0.006	0.006
	Volume Resistivity	ASTM D256-66 ²	Ohms/cm	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁴
	Surface Resistivity	ASTM D257-66 ²	Ohms	10 ¹²	10 ¹²	10 ¹²	10 ¹²	10 ¹²	10 ¹²

¹ 2" Diameter Electrodes

² 23°C (50% RH)

³ 20°C (50% RH)

RM: Rag Mylar

RMR: Rag/Mylar/Rag

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.