



THE GUND COMPANY

Manufacturers & fabricators of engineered material solutions

Item:	Rag/Mylar & Rag/Mylar/Rag (RM & RMR)	
Description:	Rag/Mylar & Rag/Mylar/Rag or RM & RMR consist of 100% pure cotton rag paper and electrical grade polyester film. They are laminated with a carefully selected adhesive system and available in two or three ply combinations	
Features:	MIL-I-19632 certified; high dielectric strength; heat stability; ease of fabrication and forming; good cut through and tear resistance; saturable by varnishes and resins.	
Applications:	<ul style="list-style-type: none"> - Slot, phase, and top stick insulation for motors and generators - Ground, barrier, and layer insulation in dry type transformers - End winding insulation in motors and generators - Formed and fabricated parts 	
Availability:	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				
			RM52	RM72	RMR525	RMR727	RMR10210
Nominal Thickness	ASTM D-374	In (mm)	0.007 (0.18)	1.009 (0.23)	0.012 (0.30)	0.016 (0.41)	0.022 (0.56)
Tensile Strength	MD	Lbs/in (width)	120	150	270	260	315
	CMD		75	90	140	150	195
Dielectric Strength	ASTM D-149 ¹	Volts	10,000	10,000	11,300	13,500	14,000
Graves Tear Strength	MD	Lbs.	10	13	21	23	30
	CMD		8	11	16	18	26
Dielectric Constant	ASTM D-150 ²	--	3.6	3.8	3.8	3.5	3.8
Dissipation Factor	ASTM D-150 ³	--	0.006	0.006	0.006	0.006	0.006
Volume Resistivity	ASTMD-256-66 ²	Ohms-cm	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁴
Surface Resistivity	ASTMD-257-66	Ohms	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