



THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

Rag/Mylar & Rag/Mylar/Rag (RM & RMR)

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 Im. 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:	Laminate Sheets:	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				
			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	ASTM D-256-66 ²	Ohms/cm	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁴
Surface Resistivity	ASTM D-257-66	Ohms	10 ¹²	10 ¹²	10 ¹²	10 ¹²	10 ¹²

¹2" Diameter Electrodes

² 23°C, 50% RH

³ 20°C, 50% RH

RM: Rag Mylar

RMR: Rag/Mylar/Rag

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.