



# THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

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

<b>Item:</b>	<b>Rag/Mylar &amp; Rag/Mylar/Rag (RM &amp; RMR)</b>	
<b>Description:</b>	Rag/Mylar & Rag/Mylar/Rag or RM & RMR consist of 100% pure cotton rag paper and electrical grade polyester lm. They are laminated with a carefully selected adhesive system and available in two or three ply combinations	
<b>Features:</b>	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.	
<b>Applications:</b>	<ul style="list-style-type: none"> <li>- Slot, phase, and top stick insulation for motors and generators</li> <li>- Ground, barrier, and layer insulation in dry type transformers</li> <li>- End winding insulation in motors and generators</li> <li>- Formed and fabricated parts</li> </ul>	
<b>Availability:</b>	<b>Laminate Sheets:</b>	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 <sup>1</sup>	Volts	10,000	10,000	11,300	13,500	14,000
Graves Tear Strength	MD	ASTM D-1004	Lbs.	10	13	21	23	30
	CMD			8	11	16	18	26
Dielectric Constant		ASTM D-150 <sup>2</sup>	--	3.6	3.8	3.8	3.5	3.8
Dissipation Factor		ASTM D-150 <sup>3</sup>	--	0.006	0.006	0.006	0.006	0.006
Volume Resistivity		ASTM D-256-66 <sup>2</sup>	Ohms/cm	10 <sup>14</sup>	10 <sup>14</sup>	10 <sup>14</sup>	10 <sup>14</sup>	10 <sup>14</sup>
Surface Resistivity		ASTM D-257-66	Ohms	10 <sup>12</sup>	10 <sup>12</sup>	10 <sup>12</sup>	10 <sup>12</sup>	10 <sup>12</sup>

<sup>1</sup>2" Diameter Electrodes

<sup>2</sup> 23°C, 50% RH

<sup>3</sup> 20°C, 50% RH

RM: Rag Mylar

RMR: Rag/Mylar/Rag

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.