



MANUFACTURERS OF
ELECTRICAL INSULATION MATERIALS

INSULATING COMPONENTS FOR
POWER SYSTEMS EQUIPMENT

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MATERIAL DATA SHEET

Item: Rag/Mylar & Rag/Mylar/Rag

Description: Consists of 100% pure cotton rag paper and electrical grade polyester film. Laminated with a carefully selected adhesive system. 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:

- Slot, phase, and top stick insulation motors and generators
- Ground, barrier, and layer insulation in dry type transformers
- End turn in motors and generators
- Formed and fabricated part

Availability: Fabricated Parts: The Gund Company custom fabricates insulation materials to the exact specifications and drawings of our customers

Key Characteristics	Units - English (SI)	RM 52	RM 72	RMR 525	RMR 727	RMR 10210
Nominal Thickness	Inches (mm)	0.007 (0.18)	1.009 (0.23)	0.012 (0.30)	0.016 (0.41)	0.022 (0.56)
Tensile Strength, MD CMD	Lbs. per in. width	120 75	150 90	270 140	260 150	315 195
Dielectric Strength	Volts	10,000	10,000	11,300	13,500	14,000
Graves Tear Strength, MD CMD	Lbs.	10 8	13 11	21 16	23 18	30 26
Dielectric Constant	--	3.6	3.8	3.8	3.5	3.8
Dissipation Factor	--	0.006	0.006	0.006	0.006	0.005
Volume Resistivity	--	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁴
Surface Resistivity	Ohms	10 ¹²	10 ¹²	10 ¹²	10 ¹²	10 ¹²

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