



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 | ASTM D-1004 | 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