



# THE GUND COMPANY

Manufacturers & fabricators of engineered material solutions

|              |   |
|--------------|---|
| Item:        | ROTOGUARD® EG, Glass Epoxy Turn Insulation  |
| Description: | ® EG, Glass Epoxy Turn Insulation is a fully cured, single layer woven glass fabric that is impregnated with a premium epoxy resin.                                   |
| Application: | RotoGuard® EG, can serve as rotor turn insulation, sub-slot insulator and filler.   |
| Advantages:  | RotoGuard® EG, Glass Epoxy Turn Insulation offers exceptional chemical, oil and moisture resistance compared to other turn insulation material at an economical price |

|                   |  |
|-------------------|--|
| Availability:     | RotoGuard® EG is available in 36" rolls at 5 mil (0.13 mm), 7 mil (0.18 mm), 10 mil (0.25 mm) and 13 mil (0.33 mm)   |
| Coating:          | The Gund Company offers this product exclusively with RotoGuard® TIB adhesive. Other adhesives may be available upon request. Contact a Gund Company material specialist today for more information  |
| Fabricated Parts: | The Gund Company custom fabricates corner strips, J-strips, and ventilated turn insulation to the exact specifications and drawings of our customers. Contact a Gund Company material specialist today to review your specific measurements. |

| Key Characteristics  | Units: English (SI)                    | Typical Values             |                     |                     |                     |
|----------------------|--|----------------------------|---------------------|---------------------|---------------------|
|                      |  | 5 mil (0.13mm)             | 7 mil (0.18mm)      | 10 mil (0.25mm)     | 13 mil (0.33mm)     |
| Thickness            | mils (mm)                              | 5 mil (0.13mm)             | 7 mil (0.18mm)      | 10 mil (0.25mm)     | 13 mil (0.33mm)     |
| Thickness Tolerance  | mils (mm)                              | +1/-0.5<br>(+0.025/-0.013) | +/-1<br>(+/- 0.025) | +/-1<br>(+/- 0.025) | +/-1<br>(+/- 0.025) |
| Color                | --                                     | Amber                      | Amber               | Amber               | Amber               |
| Area Weight          | Oz/yd <sup>2</sup> (g/m <sup>2</sup> ) | 5.7 (193)                  | 9.0 (305)           | 12.2 (414)          | 14.5 (492)          |
| Tensile LW           | lb/in <sup>2</sup> (MPa)               | 240 (1.6)                  | 200 (1.4)           | 300 (2)             | 800 (5.5)           |
| Tensile CW           | lb/in <sup>2</sup> (MPa)               | 200 (1.4)                  | 150 (1)             | 220 (1.5)           | 500 (3.4)           |
| Dielectric Strength* | v/mil (kV/mm)                          | 1,850 (73)                 | 1,200 (47)          | 1,200 (47)          | 270 (33)            |
| Thermal Rating       | --                                     | 155°C                      | 155°C               | 155°C               | 155°C               |

\* 1/4" Electrode - ASTM D-148