THE GUND COMPANY

Manufacturers & fabricators of engineered material solutions

Item:	RotoGuard® TIB
Description:	RotoGuard® TIB is a pressure sensitive, B-Stage thermoset epoxy adhesive with a release liner. RotoGuard® TIB bonds to copper with excellent tensile shear strength at room temperatures to at least 160°C. Baking is required to cure the epoxy adhesive.
Application:	Rotor turn insulation.
Advantages:	RotoGuard® TIB offers three significant advantages over traditional b-stage epoxy turn insulation: 1) Labor Savings: RotoGuard® TIB eliminates the need for double sided tape or application of an additional adhesive (resin). The superior tackiness of RotoGuard® TIB prevents movement during installation. Once placed, the turn insulation can be re-positioned several times without loosing tackiness. 2) Time Savings: RotoGuard® TIB cures at a lower temperature, saving time with shorter heating and cooling times. 3) Bonding: In addition to offering a superior bond to copper, RotoGuard® TIB is a Class F (Meets 155 °C) insulating material once cured.

Key Characteristics	Standard Characteristic
Adhesive Color	Standard Color: Blue
Adhesive Tack	Steady Hold & Tackiness at Room Temperature
Recommended Winding Conditions*	65-80 °F (16-26.5 °C)

* Copper Temperature

			English Units (in)	SI Units (mm)
Availability:	RotoGuard® EG*	Thickness	0.005, 0.007, 0.010, 0.013	0.13, 0.18, 0.25, 0.33 (+/-)
	Nomex® 410*	Thickness	0.003, 0.005, 0.007, 0.010	0.08, 0.13, 0.18, 0.25 (+/-)
	TufQuin®*	Thickness	0.003, 0.005, 0.007, 0.010	0.08, 0.13, 0.18, 0.25 (+/-)
Fabricated Parts:	The Gund Company custom fabricates corner strips, J-strips and vented turn insulation to the exact specifications and drawings of our customers. Contact a material specialist today to review your drawings.			

* Adhesive adds a nominal (0.0005" / 0.0127 mm) thickness

Instructions For Use

Recommended Cure Schedule	Cure Time	Temperature
Note: The actual length of time required to bring the entire assembly up to curing temperature must be added to the recommended cure time in order to determine a suitable curing schedule for a particular assembly.	4 Hours 2 Hours 1 Hour	≥ 110°C ≥ 120°C ≥ 160°C