



THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

RotoGuard® Turn Insulation



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:	<p>RotoGuard® TIB offers three significant advantages over traditional b-stage epoxy turn insulation:</p> <ol style="list-style-type: none"> 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 losing 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. 		
Availability:		English Units (in)	SI Units (mm/cm)
	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 (+/-)
Fabricated Parts:	The Gund Company custom fabricates insulation materials to the exact specifications and drawings specified by our customers.		

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

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

* Copper temperature

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	≥ 95°C
	2 Hours	≥ 120°C
	1 Hour	≥ 160°C +10/-0°C

AS9100C Certified | ISO/AS9100 Certified QMS | RoHS Compliant | ITAR Compliant

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