



# THE GUND COMPANY

Manufacturers & fabricators of engineered material solutions

Item:	ROTOGUARD® TIB
Description:	RotoGuard® TIB sheet material is coated with a pressure sensitive, thermoset epoxy adhesive on one side and a release liner over the adhesive. RotoGuard® TIB bonds to copper with excellent tensile shear strength at room temperatures to at least 160°C. Baking is required to cure the 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 that RotoGuard® TIB prevents movement once placed, allowing the turn insulation to be re-positioned without losing tackiness. 2) Time Savings: By using turn insulation that allows for a low temperature cure, the curing process saves time by offering shorter heating and cooling times. 3) Bonding: In addition to offering a superior bond to copper, RotoGuard® TIB creates a Class F insulating material once cured.

Key Characteristics	Standard Characteristic
Adhesive Color	Standard Color: Blue*
Adhesive Tack	Steady Hold & Tackiness at Room Temperature
Recommended Ambient Winding Conditions	60-75°F (16-24°C)

\* Custom Colors available upon request

		English Units (in)	SI Units (mm)
Availability:	RotoGuard® TIB	Thickness	0.005, 0.007, 0.010, 0.013
	Nomex® 410	Thickness	0.003, 0.005, 0.007, 0.010
	Adhesive		0.0005 Typical
			0.013 Typical
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.		

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	203-230°F (95-110°C)
	2 Hours	248-302°F (120-150°C)
	1 Hour	320°F (160°C)