



THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

Retaining Ring Insulation

Generator OEMs and service providers have learned that forming Retaining Ring Insulation (RRI) at the job site can be a safety risk. To reduce this danger, The Gund Company (TGC) offers pre-formed or semi-formed retaining ring insulation which is preferred for both OEM and repair work on generator rotors. Our RotoGuard® rotor insulation product line includes several forms & styles combined with optional additives like Teflon (PTFE) coatings. The various styles include multiple sheet layer methods using formable epoxy glass sheets, filament wound tubes, and layered aramid paper. TGC will work with you to create Retaining Ring Insulation for your specific needs.



Item:	Formed Retaining Ring Insulation		
Description:	Layered RotoGuard® Retaining Ring Insulation is supplied as formed or flat sheets of material. Formed RRI is often made up of multiple layers of material and baked to solidify its shape. Epoxy Glass RRI is usually baked in sheet form using a B-stage (prepreg) glass epoxy. In contrast, aramid paper RRI is generally formed using multiple layers glued together. The option of a Teflon/PTFE coating can be supplied as well to help reduce friction and wear against the RRI and copper during operation.		
Typical Materials:	Form Cured NEMA G11, Aramid Paper		
Typical Thickness per layer:	0.020"-0.125"	Typical Inner Diameter:	30"-40"



Item:	Filament Wound Retaining Ring Insulation		
Description:	RotoGuard® Retaining Ring Insulation can also be made as a single piece of insulation. These single pieces are fabricated by creating a large filament wound tube that is machined to final dimensions once cured. TGC can also vacuum mold Teflon to the inner radius of these rings to help reduce friction and wear against the RRI and copper during operation.		
Typical Materials:	Filament Wound Glass Epoxy		
Typical Thickness:	0.125"-0.500"	Typical Inner Diameter:	30"-40"

Data supplied above are typical values and are not to be considered specification values. All of the information, suggestions and recommendations pertaining to the properties and uses of the products herein are based upon tests and data believed to be accurate; however, the final determination regarding suitability of any material described herein for the contemplated application, the manner of such use, and whether the use infringes any patents is the sole responsibility of the user. There is no warranty, expressed or implied, including, without limitation warranty of merchantability or fitness for a particular purpose. Under no circumstances shall we be liable for incidental or consequential loss or damage.