



MANUFACTURERS OF
ELECTRICAL INSULATION MATERIALS

INSULATING COMPONENTS FOR
POWER SYSTEMS EQUIPMENT

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MATERIAL DATA SHEET

Item: Top Ripple Spring

Description: Top Ripple Spring is made from several pressed layers of reinforced glass fiber that is impregnated with synthetic resin. The glass content of this material is 70%. In the direction of the warp loom the glass content is 15 times higher than in the parallel direction, making the spring characteristic almost linear for up to 65% of the total spring deflection.

Top ripple spring is used in large electrical rotating apparatus to restrain coils in the stator slots, despite of physical and thermal induced dimensional changes.

Availability:	Laminate Sheets:	Thickness:	English Units .03", .35"	SI Units .8 mm, .9 mm
		Sheet Sizes:	18" x 39"	46 cm x 99 cm

Fabricated Parts: The Gund Company custom fabricates insulation materials to the exact specifications and drawings of our customers



Key Characteristics	Units - English (SI)	Typical Values
Standard Color	--	Yellow/Brown
Density	lbs./in. ³ (g/cc)	0.065 (1.80)
Thickness Tollerances	%	+ 25/ - 5
Spring Deflection	in. (cm)	0.07 (0.178)
Wave Cycle	in. (cm)	1.18 (3)
Temperature Class	--	Class F - 155°C

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