



MANUFACTURERS OF
ELECTRICAL INSULATION MATERIALS

INSULATING COMPONENTS FOR
POWER SYSTEMS EQUIPMENT

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MATERIAL DATA SHEET

Item: Side Ripple Spring

Description: Side Ripple Spring is a semi-conductive material made from semi-conductive glass fabric impregnated with a high-temperature epoxy resin. The resin system is also filled with graphite to increase the semi-conductive property of this material. The glass content of side ripple spring is 65% and has a proportional distribution of glass content in the warp and parallel direction. With side ripple spring, its waves are at a 45° angle to the cut edges.

Side ripple spring is used in the large electrical rotating equipment as barriers between coils and the stator slot walls. The side ripple spring assures that there will be constant contact between the wall of the stator and the coils, therefore insuring that any corona discharge or flashovers will be dissipated over the semi-conductive material.

Availability: Laminate Sheets: Thickness: English Units: .012", .02", .026", .032", .037", .039" SI Units: .3 mm, .5 mm, .65 mm, .8 mm, .94 mm, 1.0 mm
Sheet Sizes: 18" x 41" 46 cm x 104 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	--	Black
Density	lbs./in. ³ (g/cc)	0.076 (2.1)
Thickness Tollerances	%	± 20
Spring Deflection	in. (cm)	0.197 (0.5)
Wave Cycle	in. (cm)	2.36 (6)
Temperature Class	--	Class F - 155°C
Surface Resistivity	kOhms/dm ²	> 10
Volume Resistivity	kOhms/dm ²	< 50

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