



# THE GUND COMPANY

Manufacturers & fabricators of engineered material solutions

Item:	Krempel® Side Ripple Spring		
Description:	Side ripple spring is fabricated with several layers of finely woven glass fabric, bonded with a high temperature electrically conducting (carbon loaded) synthetic resin matrix. The proportion of glass fibers in the warp direction is equal to the weft direction. Non-woven polyester layers are pressed onto both sides to prevent possible glass abrasion caused by vibration. The glass content of the corrugated sheet is approximately 65%. The ripples of the sheet run at 45 degrees with respect to the cut edges. The spring characteristic is almost linear up to 50% of the spring deflection. Side ripple spring is used in large rotating equipment to limit radial movement of stator bars, and ensure secure contact between the corona shield of the stator bar and core laminations. Side ripple spring performs these functions despite physical and thermal induced dimensional changes.		
Availability:		English Units (in)	SI Units (mm/cm)
	Laminate Sheets:	Thickness:	0.012, 0.02, 0.026, 0.032, 0.037, 0.039 (mm)
		Sheet Size:	18 x 40.5 (cm)
Fabricated Parts:	The Gund Company custom fabricates insulation materials to the exact specifications and drawings of our customers.		



Key Characteristics	Units - English	Typical Values
Standard Color	--	Black
Density	lb/in <sup>3</sup> (g/cm <sup>3</sup> )	0.065 (1.8)
Thickness Tolerances	%	±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 <sup>2</sup>	>10
Volume Resistivity	kOhms/dm <sup>2</sup>	<50