



# THE GUND COMPANY

Manufacturers & fabricators of engineered material solutions

Item:	Krempel® Top Ripple Spring		
Description:	<p>Top ripple spring is fabricated with several layers of glass fabric, bonded with a high temperature synthetic resin matrix. The proportion of glass fibers in the warp direction is 15 times that of the weft direction. The glass content of the corrugated sheet is approximately 70%. The ripples of the sheet run at 90 degrees with respect to the cut edges. The spring characteristic is almost linear up to 65% of the spring deflection. Top ripple spring is used in large rotating equipment to prevent radial movement of stator bars in the stator slots, despite physical and thermal induced dimensional changes.</p> <p>Top ripple spring is used in large electrical rotating apparatus to restrain coils in the stator slots, despite physical and thermal induced dimensional changes.</p>		
Availability:		English Units (in)	SI Units (mm/cm)
	Laminated Sheets:	Thickness:	0.03, 0.35 (mm)
		Sheet Size:	18 x 37.8 (cm)
Fabricated Parts:	The Gund Company custom fabricates insulation material to the exact specifications and drawings of our customers.		



Key Characteristics	Units - English (SI)	Typical Values
Standard Color	--	Yellow/Brown
Density	lb/in <sup>3</sup> (g/cc)	0.065 (1.80)
Thickness Tolerances	%	+28/-6
Spring Deflection	in (cm)	0.071 (1.8)
Wave Cycle	in (cm)	1.18 (3)
Temperature Class	--	Class F - 155°C