



LEADERS IN HIGH PERFORMANCE TEXTILES FOR THERMAL PROTECTION

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AVS SEWING THREAD KPS3

Product Description

AVS Sewing Thread KPS3 is a high strength Kevlar and Stainless-Steel sewing thread made from continuous filament Kevlar yarns that are twisted with 3 strands of fine 304 Stainless-Steel wire. The Kevlar is PTFE coated to improve the handling properties of the sewing thread for improved run ability on industrial sewing machines. **AVS Sewing Thread KPS3** is available with or without a silicone-based lubricant to aid in use during textile fabrication operations. Typical spool size is 1 pound.

Applications

AVS Sewing Thread KPS3 sewing thread is intended for the fabrication of textile products with service temperatures up to 400°F (204°C) requiring good seam strengths. The multiple strands of 304 Stainless Steel wire make this high strength thread ideal for the manufacture of specialty thermal pads for Aerospace, Automotive, and Industrial applications where strength is critical to meet design requirements.

Technical Data Properties

	Value
Thread Style	Kevlar – Continuous Filament
Wire Construction	3 strands of 304 Stainless-Steel
Thread Coating	PTFE, Sintered
Lubrication, Silicone Oil	Available per Request
Nominal Thread Diameter: inches (mm)	0.013 (0.33)
Final Twist	Z- Directional
Nominal Thread Tensile Strength, lbs.	25 lb. @ 70°F
Nominal Yield, yds./lb.	3,450
Color	Natural (Yellow/Gold)

Notes:

1. The PTFE coating will burn off at temperatures over 600°F(315°C)
2. Kevlar operating temperature limit to maintain moderate strength is 400°F (204°C)
3. Stainless steel will maintain good strength at temperatures up to 1800°F (982°C)

AVS Industries cannot predict all of the potential applications for which customers may attempt to use **AVS Sewing Thread KPS3** high performance sewing thread. Numerous factors may affect the overall performance of the **AVS Sewing Thread KPS3** high performance sewing thread. Operating conditions, fabric type, and sewing parameters will have an effect on seam strength. Please contact AVS Industries at (302) 221-1720 and we will provide a sample of KPS3 high performance sewing thread. This product is not warranted against injuries or damages of any kind caused by uses for which this product was not designed, intended, or tested by AVS Industries.