



LEADERS IN HIGH PERFORMANCE TEXTILES FOR THERMAL PROTECTION

TDS – 109
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AVS SEWING THREAD E-24PL

Product Description

AVS Sewing Thread E-24PL is comprised of “E” fiberglass that is coated with PTFE and lubricated with silicone oil to improve handling and sewing properties. **AVS Sewing Thread E-24PL** is engineered for use in the manufacture of high temperature textile parts.

Applications

AVS Sewing Thread E-24PL is intended for medium temperature sewing applications with service temperatures up to 1000°F (540°C) requiring good seam strengths. This thread is ideal for sewing our standard E-glass fiberglass fabrics and our FLXGLAS[®] HT specialty treated Fiberglass Fabrics. Fabricated textile products include removable covers, thermal wraps, blankets, insulation pads, and curtains.

Technical Data Properties

	Value
Construction	BETA “E” Fiberglass
Nominal Coating Level	PTFE, 12%
Lubrication	Silicone Oil
Nominal Diameter: inches (mm)	0.021(0.53)
Tensile	25 lbs.
Final Twist	“Z”
Yield	1500 yds./lb.

Notes:

1. The PTFE and Silicone oil will burn off at temperatures over 500°F (260°C)
2. The S-2 fiberglass will melt at temperatures over 1400°F (760°C)
3. The Inconel wire will maintain good strength at temperatures up to 2000°F (1093°C)

AVS Industries cannot predict all of the potential applications for which customers may attempt to use the **AVS Sewing Thread E-24PL**. **AVS Sewing Thread E-24PL** will have varying degrees of effectiveness for each potential application depending on the maximum temperature attained, the length of use, and the amount of temperature fluctuation. If the customer has any questions regarding the use of **AVS Sewing Thread E-24PL** in a particular application, please contact AVS Industries at (302) 221-1720 and we will provide a sample of the **AVS Sewing Thread E-24PL** for testing. 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.