



WHEN THE **HEAT** IS ON, KEEP YOUR COOL WITH **AVS!**

**TDS-21**  
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## **AVS METALIZED SEWING THREAD**

### **Product Description**

**AVS Metalized Sewing Threads** are high temperature resistant threads composed of a Stainless-Steel core with a cotton jacket overlay. The Stainless -Steel can withstand temperatures up to 1800°F (982°C). The cotton jacket has been treated with a special flame-resistant finish that will burn off at temperatures over 400°F (204°C). **AVS Metalized Sewing Threads** are engineered for use in the manufacture of high temperature textile parts.

### **Applications**

**AVS Metalized Sewing Threads** can be used for textile fabrication with conventional Fiberglass, Flxglas® HT treated specialty fiberglass, and AVSil® silica fabrics. Textile fabrication will involve the manufacture of removable thermal covers, thermal wraps, blankets, insulation pads, curtains and screens. **AVS Metalized sewing threads** should not be used in electrically conductive environments.

### **Features**

- High strength
- Cotton jacketed

### **Benefits**

- Metalized core eliminates thread breakage problems during fabrication
- Improved sewing performance

### **Technical Data Properties**

	<b>Style 20</b>	<b>Style 13</b>
Nominal Diameter inches (mm)	0.016 (0.41)	0.020 (0.51)
Core Construction	Stainless-Steel	Stainless-Steel
Exterior Jacket Material	Cotton	Cotton
Number of Plies (yarns)	2	2
Spool Package Sized: yards (meters)	2187 (2000)	2187 (2000)

### **NOTES:**

1. Flame resistant finish decomposes at high temperatures 500°F (260°C).
2. Cotton jacket will gradually burn off at temperatures over 320°F (160°C).

AVS Industries cannot predict all of the potential applications for which customers may attempt to use the **AVS Metalized Sewing Threads**. **AVS Metalized Sewing Threads** 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 the **AVS Metalized Sewing Threads** in a particular application, please contact AVS Industries at (302) 221-1720 and we will provide a sample of the **AVS Metalized Sewing Thread** 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.