



LEADERS IN HIGH PERFORMANCE TEXTILES FOR THERMAL PROTECTION

TDS – 36  
July 2018

## AVS SEWING THREAD S-18PL

### Product Description

**AVS Sewing Thread S-18PL** is comprised of “S-2” fiberglass that is coated with PTFE and lubricated with silicone oil to improve handling and sewing properties. **AVS Sewing Thread S-18PL** is engineered for use in the manufacture of high temperature textile parts.

### Applications

**AVS Sewing Thread S-18PL** is intended for medium temperature sewing applications with service temperatures up to 1400°F (760°C) requiring good seam strengths. This thread is ideal for sewing our standard fiberglass fabrics, our FLXGLAS HT specialty treated fiberglass fabrics and our standard AVSiL Silica Fabrics. Fabricated textile products include removable covers, thermal exhaust wraps, insulation blankets, insulation pads, and curtains.

### Technical Data Properties

	Value
Construction	“S-2” Fiberglass
Nominal Coating Level	PTFE, 15%
Lubrication	Silicone Oil
Nominal Diameter: inches (mm)	0.019 (0.48)
Tensile	25 lbs.
Final Twist	“Z”
Yield	1975 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)

AVS Industries cannot predict all of the potential applications for which customers may attempt to use the **AVS Sewing Thread S-18PL**. **AVS Sewing Thread S-18PL** 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 Sewing Thread S-18PL** in a particular application, please contact AVS Industries at (302) 221-1720 and we will provide a sample of the **AVS Sewing Thread S-18PL** 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.