



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

TDS-141
May 2019

AVS QUARTZ SEWING THREAD Q-17PL

Product Description

AVS Quartz Sewing Thread Q-17PL is comprised of continuous filament pure fused amorphous silica that is coated with PTFE and lubricated with silicone oil to improve handling and sewing properties. **AVS Quartz Sewing Thread Q-17 PL** is engineered for use in the manufacture of high temperature textile parts.

Application

AVS Quartz Sewing Thread Q-17PL is intended for extreme temperature sewing applications with continuous service temperatures up to 2000°F (1093°C) requiring good seam strengths. **AVS Quartz Sewing Thread Q-17PL** is ideal for sewing custom textile parts from our high performance AVSil® silica fabrics and specialty Ultisil® HT treated silica fabrics. Fabricated textile products include removable covers, thermal exhaust wraps, insulation blankets, insulation pads, and curtains.

Technical Data Typical Properties

Construction	Pure Amorphous Silica (Quartz)
Nominal Coating Level	PTFE, 20%
Lubrication	Silicone Oil
Color	Tan
Nominal Diameter: inches (mm)	0.017 (0.43)
Tensile	20 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 softening point of Quartz is 3092°F (1700°C)
3. The silicon dioxide content of Quartz is 99.95%.

AVS Industries cannot predict all of the potential applications for which customers may attempt to use the **AVS Quartz Sewing Thread Q-17PL**. **AVS Quartz Sewing Thread Q-17PL** 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 Quartz Sewing Thread Q-17PL** in a particular application, please contact AVS Industries at (302) 221-1720 and we will provide a sample of **AVS Quartz Sewing Thread Q-17PL** 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.