



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

**TDS-106**  
**May 2019**  
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## **AVS SILICONE COATED FIBERGLASS SLEEVING**

### **Product Description**

**AVS Silicone Coated Fiberglass Sleeve** is manufactured from high quality braided E-fiberglass sleeve and coated with a high-performance silicone. Depending on your specific end use application **AVS Silicone Coated Fiberglass Sleeve** is available an Industrial and Aerospace construction.

### **Industrial Versus Aerospace Construction**

AVS Silicone Coated Fiberglass Sleeve (Industrial and Aerospace Grade) are highly resistant to hydraulic fluids, lubricating oils, and fuels. The braided E- Fiberglass interior construction insulates against energy loss in piping and hosing. The difference between Industrial and Aerospace Grade silicone coated sleeve is provided below:

- **Industrial Grade** – Engineered for automotive, small engine, and household applications where protection from constant temperatures up to 400°F (204°C) is required while maintain the integrity (physical properties) of the silicone coated sleeve. The wall thickness is 0.072 inches (1.83 mm) with heavy silicone coating for improved durability and abrasion resistance. Available in Red, Black, and Silver Grey.
- **Aerospace Grade** - Engineered from a dense braided E-Fiberglass sleeve and an ultra-thick coating of self-extinguishing high temperature silicone rubber. The wall thickness is 0.115 inches (2.92 mm) which is 37% thicker than the Industrial grade sleeve. The silicone coating withstands continuous temperatures up to 482°F (250°C). This dense braided construction also protects against intermittent molten metal splash up to 2000°F (1093°C). Aerospace Grade Silicone Coated Fiberglass Sleeve is used in very demanding aviation and military end use applications where the best thermal protection is required to protect critical hoses and wiring. This sleeve meets the specification of AS1072, allowing qualified hose assemblies to pass the fire resistance testing specification of AS1055D. Available in Red and Black.

### **Silicone Coated Fiberglass Sleeve Sizes**

<b>INDUSTRIAL GRADE</b>		
<b>Product Identification</b>	<b>Internal Diameter - Inches (mm)</b>	<b>Wall Thickness - Inches (mm)</b>
S-GSI-1/2"	0.5 (12.7)	0.072 (1.83)
S-GSI-1"	1.0 (25.4)	0.072 (1.83)
S-GSI-1 1/2"	1.5 (38.1)	0.072 (1.83)
S-GSI-2"	2.0 (50.8)	0.072 (1.83)
S-GSI-2 1/2"	2.5 (63.5)	0.072 (1.83)
S-GSI-3"	3.0 (76.2)	0.072 (1.83)

#### **NOTES:**

1. Other internal diameters are available
2. Standard Roll Length is 50 ft.
3. Colors – Red, Black and Silver Grey



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### Silicone Coated Fiberglass Sleeving Sizes

<b>AEROSPACE GRADE</b>		
<b>Product Identification</b>	<b>Internal Diameter - Inches (mm)</b>	<b>Wall Thickness - Inches (mm)</b>
S-GSA-1/2"	0.5 (12.7)	0.072 (1.83)
S-GSA-1"	1.0 (25.4)	0.072 (1.83)
S-GSA-1 1/2"	1.5 (38.1)	0.072 (1.83)
S-GSA-2"	2.0 (50.8)	0.072 (1.83)
S-GSA-2 1/2"	2.5 (63.5)	0.072 (1.83)
S-GSA-3"	3.0 (76.2)	0.072 (1.83)

#### NOTES:

1. Other internal diameters are available
2. Standard Roll Length is 50 ft.
3. Colors – Black and Red

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