



LEADERS IN HIGH PERFORMANCE TEXTILES FOR THERMAL PROTECTION

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AVSIL® SILICA SLEEVING

Product Description

AVSIL® Silica S-H Sleevings is flexible silica tubing intended for use in high temperature applications as protection against weld splatter, fire, extreme heat and molten metal. **AVSIL® Silica S-H Sleevings** can withstand thermal temperatures up to 1,800°F (982°C) for extended periods of time. **AVSIL® Silica S-H Sleevings** has a flexible weave that assures a “tight fit” over pipe, cable, hose, cord and tubing. **AVSIL® Silica S-H Sleevings** is used as thermal protection or insulation over: electrical cables, power cords, water hoses, tubing and pipe. AVSIL Silica sleeving is used extensively by the Power Generation, Refinery, Construction, Shipbuilding, Welding and Metal Processing Industries.

Features

- Resists High Temperatures and Protects Against Weld “Splatter”
- Fireproof
- Excellent Insulating Properties
- Protects Cables, Hoses, Pipe and Other Equipment in the Toughest Welding Applications
- Protects Against Hot Work Fires
- Lower Energy Costs

Sizing Data

Product Size

S-H-1/4”
S-H-1/2”
S-H-1”
S-H-1 1/2”
S-H-2”
S-H-3”
S-H-4”
S-H-5”
S-H-6”

Sleeving Fits Over Following I.D. Range

1/8” to 1/4”
1/4” to 1/2”
3/4” to 1”
1 1/4” to 1 5/8”
1 3/4” to 2”
2 1/2” to 3 1/2”
3 1/2” to 4 1/4”
4 3/4” to 5 1/2”
5 1/2” to 6 1/2”

Technical Properties

Silicon Dioxide Content

Nominal Wall Thickness in. (mm)

Nominal Roll Length ft. (meters)

Service Temperature, °F (°C)

Silica Sleevings

96% or Greater

0.090 (2.29)

50 (15.24)

Up to 1,800 (982)

Notes:

1. Roll length tolerance is +/- 10%. Rolls may consist of three pieces. Minimum piece length is 10 feet (3.05 meters). Other roll lengths are available upon request.
2. A light hydrocarbon coating is applied for improved handling at low temperatures.
3. Silica sleeving is made of amorphous silica fibers and contains no asbestos or ceramic fibers.

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