



LEADERS IN HIGH PERFORMANCE TEXTILES FOR THERMAL PROTECTION

TDS – 13
July 2018

AVSIL® SILICA WOVEN TAPES

Product Description

AVSi® WT19, WT180, WT36CH and WT65CH are “woven edge” silica tapes for protection of electrical lines, piping and equipment from fire, extreme heat, welding splatter and molten metal. **AVSi® WT19, WT180, WT36CH and WT65CH** represents four different thickness of silica tape, and all have the added benefit of woven edges to prevent unraveling. **AVSi® Silica Woven Tapes** are used in high temperature applications as insulation or thermal protection over: electrical cabling, pipe, water jacketed tubing, cords, and hoses. **AVSi® Silica Woven Tapes** are also used as “mop style” furnace curtains, furnace door gasketing, high temperature seals, and as a replacement for refractory ceramic fiber tape. **AVSi® Silica Woven Tapes** are used extensively in the Power Generation, Shipbuilding, Construction, Welding and Metal Processing industries.

Features

- Resists High Temperature and Penetration of Molten Metal Weld “Slag”
- Fireproof
- Woven Edge
- Excellent Insulating Properties
- Can Be Used in Fabrication
- Protects Cables, Pipes, Cords and Other Equipment in the Toughest Welding Applications
- Protects Against Hot Work Fires
- Does Not Unravel Like Slit Tape
- Lower Energy Costs
- Reinforces Edges of Blankets & Curtains

Technical Data Properties

	WT19	WT180	WT36CH	WT65CH
Silicon Dioxide Content	≥96%	≥96%	≥96%	≥96%
Nominal Thickness in. (mm)	0.015 (0.381)	0.250 (6.35)	0.062 (1.57)	0.125 (3.17)
Nominal Roll Length ft. (meters)	100 (30.48)	50 (15.24)	100 (30.48)	50 (15.24)
Service Temperature, °F (°C)	Up to 1,800 (982)	Up to 1,800 (982)	Up to 1,800 (982)	Up to 1,800 (982)

Notes:

1. WT19 is available in 1.5” width only. WT180 is available in 1”, 2” and 3” width only. WT36CH and WT65CH tapes are available in .5”, 1”, 1.5”, 2”, 3”, 4” and 6” width.
2. Roll length tolerance is +/- 10%, and rolls may consist of three pieces. Minimum piece length is 5 ft. (1.52 meters).
3. Other roll lengths are available upon request.
4. A light hydrocarbon coating is applied for improved handling at low temperatures on WT36CH and WT65CH.
5. Silica tapes are made of amorphous silica and contain no asbestos or ceramic fibers.

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