



SERVICING THE WORLD WITH HIGH TEMPERATURE TEXTILES

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AVSIL® SILICA NEEDED INSULATION (SNI)

Product Description

AVSIL® Silica Needed Insulation (SNI), made from amorphous silica, is ideal for a wide range of critical, high temperature aerospace, automotive, and industrial applications. SNI is designed to withstand temperatures of up to 2000°F (1090°C), and is comprised of non-respirable, 9-micron filament fibers that are mechanically bonded, containing no added resins or adhesives. Density is 8 to 10 lb/ft³. The SNI contains no shot and is environmentally-friendly since it contains no harmful refractory ceramic fibers (RCF). AVSIL® SNI is preshrunk to areal shrinkage of less than 3.0%.

SNI's flexibility enables the product to be easily cut and fabricated into intricate design configurations. Excellent thermal strength enhances SNI's high product value-in-use.

ROLL PROPERTIES (SHRUNK INSULATION)

CODE	THICKNESS (in.)	DENSITY (lb/ft ³)	WIDTH (in.)	ROLL LENGTH (ft.)	AREA (ft ²)
AB25S	¼ (6.35 mm)	10 (160 kg/m ³)	36 (91.4 cm)	116.75 (35.6 m)	350 (32.5 m ²)
AB50S	½ (12.7 mm)	10 (160 kg/m ³)	36 (91.4 cm)	58.35 (17.8 m)	175 (16.3 m ²)
AB100S	1 (25.4 mm)	10 (160 kg/m ³)	36 (91.4 cm)	33.45 (10.2 m)	100 (9.3 m ²)

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