



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

TDS-93
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AVS FIBERGLASS NEEDED INSULATION

Product Description

AVS Fiberglass Needed Insulation is made from 100% Electrical Grade (E – Glass) type fiberglass fibers into a flexible mat. **AVS Fiberglass Needed Insulation** is designed to withstand temperatures of up to 1200°F (649°C), and is comprised of non-respirable, 6 to 13 Micron filament E-glass fibers that are mechanically bonded, containing no added resins or adhesives. The density of the **AVS Fiberglass Needed Insulation** is 9 to 11 lb./ft³.

The flexibility and handling properties of **AVS Fiberglass Needed Insulation** enables the product to be easily cut and fabricated into intricate design configurations. Excellent thermal strength enhances the product value-in-use. **AVS Fiberglass Needed Insulation** is typically utilized in the fabrication of high temperature removable insulation covers for end use applications.

ROLL PROPERTIES

Nominal Values are shown below:

Product	Thickness		Density		Width		Roll Length	Area
	inches	mm	lb./ft ³	kg/m ³	inches	cm	feet	ft ²
FG25	0.250	6.35	9	144	60	152.4	150	750
FG50	0.500	12.7	9	144	60	152.4	75	375
FG100	1.00	25.4	11	176	60	152.4	45	225

THERMAL CONDUCTIVITY – “K” Value (K BTU-Inch/Hr.-ft²-°F)

Nominal Values for FG100 are shown below:

Temperature (°F)	Thermal Conductivity (K Value)
75°F (23.9°C)	0.29
300°F (149°C)	0.40
500°F (260°C)	0.50
700°F (371°C)	0.65

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