



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

TDS-29
May 2019

AVS FIBERGLASS ALUMF2025HTH

Product Description

AVS Fiberglass ALUMF2025HTH is a lightweight plain weave E-glass fiberglass fabric with 0.001-inch thick aluminum foil laminated to one side using a high-performance adhesive that has excellent high-temperature, chemical, and moisture resistance.

Applications

AVS Fiberglass ALUMF2025HTH is typically used as a heat reflective liner material in fabricated textile parts consisting of removable insulation pads, heat reflective curtains, vapor shields and flange shields. Recommended for less severe applications requiring heat reflectivity and molten metal splash resistance. The E-glass base fabric utilized in **AVS Fiberglass ALUMF2025HTH** will retain excellent strength and pliable at continuous temperature requirements below 800°F (427°C).

Features

- Resistant to UV, water, oil, and most chemicals
- Heat reflective aluminized layer (foil) – provides heat reduction of 150°F (65°C)
- Low smoking when exposed to high temperatures

Technical Data Properties

	ALUMF2025HTH
Nominal Weight, oz/yd ² (g/m ²)	21(712)
Nominal Thickness, in. (mm)	0.027 (0.68)
Base Fabric, E Fiberglass	Plain Weave
Nominal Construction, Ends/in.	20 Warp X 14 Fill
Tensile Strength, Minimum lbs./in	200 Warp, 150 Fill
Maximum Temperature, °F (°C)	
Fabric	1000 (538) - Intermittent
Foil	1200 (649) - Melt Point
Adhesive	500 (260) - Degradation

NOTES:

1. Standard roll width is 58 inches (147 cm).
2. Standard roll length is 50 yards (45.7 meters).
3. Base fabric color is tan with aluminum foil laminated to one side.

AVS Industries, LLC cannot predict all of the potential applications for which customers may attempt to use the **ALUMF 2025HTH**. **ALUMF 2025HTH** 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 **ALUMF 2025HTH** in a particular application, please contact AVS Industries, LLC at (302) 221-1720 and we will provide a sample of the **ALUMF 2025HTH** 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.