



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

**TDS-63**  
**May 2019**

## **AVS FIBERGLASS ALM2020**

### **Product Description**

**AVS Fiberglass ALM2020** is a plain weave heat treated E-glass fiberglass cloth with 0.001-inch-thick aluminum Mylar laminated to one side using a proprietary flame-retardant adhesive that has excellent high-temperature, chemical, and moisture resistance. The base fabric has been heat treated to remove residue organic binders to improve product handling. **ALM2020** has demonstrated excellent fabrication properties compared to conventional aluminized foil fiberglass fabrics.

### **Application**

**AVS Fiberglass ALM2020** is typically used as an outer liner material in removable insulation pads, protective sleeving, reflective curtains, vapor shields, and flange shields. Recommended for industrial applications requiring heat reflectivity, liquid and/or vapor resistance. Typical industries include steel, aluminum, copper and other basic metals groups, construction, chemical processing plants, petroleum refineries, automotive industry, and maritime.

### **Features**

- Resistant to UV, water, oil, and most chemicals
- Low smoking when exposed to high temperatures
- High reflectivity from aluminized mylar – provides 150°F (65°C) heat reduction.

### **Technical Data Properties**

	<b>ALM2020</b>
Nominal Weight, oz/yd <sup>2</sup> (g/m <sup>2</sup> )	19 (644)
Nominal Thickness, in. (mm)	0.030 (0.762)
Base Fabric, E- Fiberglass	Plain Weave 2025 Heat Treated
Nominal Construction, Ends/in.	20 Warp x 14 Fill
Tensile Strength, Minimum lbs./in	200 Warp, 150 Fill
Maximum Temperature*, °F (°C)	
Fiberglass Fabric	1000 (538) - Intermittent
Aluminized Mylar	500 (260) - Degradation
Adhesive	500 (260) - Degradation

\* Based on maintaining flexibility, reflectivity, and strength properties of the aluminized fabric

### **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 mylar laminated to one side.

AVS Industries, LLC cannot predict all of the potential applications for which customers may attempt to use **ALM2020**. **Aluminized ALM2020** fiberglass fabric 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 **ALM2020** aluminized fiberglass fabric in a particular application, please contact AVS Industries, LLC at (302) 221-1720. 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.