



High Temperature Aluminum Foil/Glass Cloth Tape

363

Technical Data

November, 1994

Product Description An aluminum foil/glass cloth tape that can be used as a high temperature, heat reflective, protective wrap for certain cables and other components in aerospace and industrial applications

Construction	Backing	Adhesive	Color	Standard Roll Length
	Aluminium foil laminated to glass cloth	Silicone (transparent)	Shiny silver	36 yds. (33 m)

Typical Physical Properties and Performance Characteristics

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

		ASTM Test Method
Adhesion to Steel:	54 oz./in. width (59 N/100 mm)	D-3330
Tensile Strength:	111 lbs./in. width (1944 N/100 mm)	D-3759
Elongation at Break:	4%	D-3759
Backing Thickness:	Foil: 1 mil (.025 mm) Glass Cloth: 2.4 mils (.061 mm)	D-3652
Total Tape Thickness:	7.4 mils (.19 mm)	
Weight:	.0114 lbs./yd./in. width (.0057 kg/m/24mm)	

General Information

- Light, flexible construction – easily applied to a variety of irregular shapes.
- Performs continuously from -65°F (-54°C) to over 600°F (316°C).
- Can be qualified to meet MIL-T-83284. Amendment 2, thermal radiation resistance.
- Meets the requirements of F.A.R. 25.835(a).
- Best results obtained when applied to a clean dry surface above 32°F (0°C), but can be applied at lower temperatures.
- Store in a clean dry place at 60-80°F (15-27°C) and 40-50% relative humidity no longer than 18 months from date of manufacture.

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363

Application Ideas

- A heat reflective wrap, over insulation cables, instruments, or other high temperature sensitive materials.

Features

- Aluminum foil/glass cloth

- Silicone adhesive

Advantages

- Heat reflective
- Very high tensile strength
- Non-flammable
- Conformable
- Wide temperature range

Benefits

- Helps protect parts from heat
- Will not break easily
- Will not aid combustion
- Can be spiral wrapped with little change in reflectance
- Withstands continuous temperatures from -65°F to 600°F (-54°C to 316°C)

For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-227-5085. Address correspondence to: 3M Industrial Tape and Specialties Division, 3M Center, Building 220-8E-04, St. Paul, MN 55144-1000. Our fax number is 612-733-9175. In Canada, phone: 1-519-451-2500. In Puerto Rico, phone: 1-809-750-3000. In Mexico, phone: 5-728-0400.

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ISO 9002

This Industrial Tape and Specialties Division product was manufactured under a 3M quality system registered to ISO 9002 standards.

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