



Heat Management Tape

3633

Technical Data January, 1995

Product Description A lamination of aluminum foil and glass cloth coated with a fire retardant synthetic adhesive. It is designed to provide strength, flexibility, and radiant heat shielding up to 600°F.(316°C).

Construction	Backing	Adhesive	Color	Liner
	Aluminum foil laminated to glass cloth	Fire retardant acrylate	Shiny silver	2 mil transparent film

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:	70 oz. In. width (77N/100 mm)	D-3330
Tensile Strength at Break:	140 lbs./in. width (2452 N/100 mm)	D-3759
Backing Thickness:	Foil: 1 mil (.025 mm) Glass Cloth: 2.4 mils (.06 mm)	D-3652
Tape Thickness:	12.5 mils (.32 mm)	D-3652
Elongation at Break:	4 mils (.0 mm)	D-3759

- General Information**
- Light, thin, flexible construction – easily applied to many irregular shapes.
 - High tensile strength.
 - Best results obtained when applied to clean dry surface above 32°F (0°C).
 - performs in a range from –65°F to over 300°F (-54°C to 149°C).
Radiant heat to 600°F (316°C)
 - 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.

Features	Advantages	Benefits
• Aluminum foil/glass cloth	• Heat reflective	• Helps protect parts from heat
	• Tensile strength	• Will not break easily
	• Non-flammable	• Will not aid combustion
	• Wide temperature range	• Can be spiral wrapped with little change in reflectance
• Fire retardant acrylate	• Wide temperature range	• Allows tape to perform at temperatures from –40°F to 600°F (-40°C to 316°C) (radiant heat)

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For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-277-5085. 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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