



High Temperature Aluminum Foil/Glass Cloth Tape

363 • 363L (Linered)

Technical Data

Product Description 3M™ High Temperature Aluminum Foil/Glass Cloth Tape 363 can be used as a high temperature, heat reflective, protective wrap for certain cables and other components in aerospace and industrial applications.

Product Construction	Backing	Adhesive	Color	Liner (3M tape 363L)	Standard Roll Length
	Aluminum foil laminated to glass cloth	Silicone (transparent)	Shiny silver	Transparent, easy-release film	36 yds. (33 m)

Typical Physical Properties

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:	67 oz./in. width (73 N/100 mm)	D-3330
Tensile Strength:	135 lbs./in. width (2364 N/100 mm)	D-3759
Elongation at Break:	7%	D-3759
Backing Thickness:	Foil: 1.0 mil (0.025 mm) Glass Cloth: 2.4 mils (0.06 mm)	D-3652
Total Tape Thickness:	7.3 mils (0.19 mm)	D-3652
Liner Thickness: (3M tape 363L)	2.0 mils (0.05 mm)	D-3652
Temperature Use Range:	-65° to 600°F (-54 to 316°C)	
Weight:	0.0114 lbs./yd./in. width (0.0057 kg/m/24mm)	

Features

- Can easily be die-cut into special sizes or shapes.
- 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. Paragraph 3•4•1, thermal radiation resistance.
- Meets the requirements of F.A.R. 25.853(a).
- Best results obtained when applied to a clean dry surface above 32°F (0°C), but can be applied at lower temperatures.

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Application Ideas

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

Storage

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton.

Shelf Life

To obtain best performance, use this product within 36 months from date of manufacture.

Product Use

All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

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ISO 9001:2000

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.



Industrial Business Industrial Adhesives and Tapes Division

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