High Temperature Aluminum Foil/Glass Cloth Tape

363 • 363L (Linered)

Technical Data **April, 2009**

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:	52 oz./in. width (57 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 600°F (316°C).
- 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.

Application Ideas

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

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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.

Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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ISO 9001:2000

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363-1"x36yd 363-2"x36yd