



High Temperature Aluminum Foil/Glass Cloth Tape

363 • 363L (Linered)

Technical Data

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.

Product Construction	Backing	Adhesive	Color	Liner (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)	
Liner Thickness (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)	

- General Information**
- 363L tape 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.

Shelf Life To obtain best performance, use this product within 36 months from date of manufacture and store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton.

Application Ideas

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

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page 2 of 2

Features	Features	Advantages	Benefits
	<ul style="list-style-type: none">Aluminum foil/glass cloth	<ul style="list-style-type: none">Heat reflectiveVery high tensile strengthFlame resistantFlexible	<ul style="list-style-type: none">Helps protect parts from heatWill not break easilyWill not support combustionCan be spiral wrapped with little change in reflectance
	<ul style="list-style-type: none">Silicone adhesive	<ul style="list-style-type: none">Wide temperature range	<ul style="list-style-type: none">Withstands continuous temperatures from -65° to 600°F (-54° to 316°C)

Technical Information and Data

The technical information and data, recommendations, and other statements provided in this brochure are based on tests or experience which 3M believes to be reliable, but the accuracy or completeness of such information is not guaranteed.

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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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