



High Temperature Aluminum Foil/Glass Cloth Tape 363 • 363L (Linered)

Product Data Sheet

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

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ISO 9001:2000

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