3M

Aluminum Foil Tape

425 • 427

| 3M [™] Aluminum Foil Tapes 425 and 427 combine a 3 mil nominal dead soft aluminum foil backing with a transparent acrylic adhesive. 3M aluminum foil tape 427 offers an easy-release liner. | | | | |
|--|--|--|---|--|
| Backing | Adhesive | Color | Liner | Standard Roll Lengtl |
| Dead soft aluminum | Acrylic | Shiny silver | Easy-release paper (3M aluminum foil tape 427) | 60 yds. (55 m) |
| | | | | |
| Adhesion to Steel: 3M aluminum foil tape 425 3M aluminum foil tape 427 | | | | D-3330 |
| • | | | | D-3759 |
| - | | | · · | D-3652 |
| _ | Total Tape Thickness: | | • | D-3652 |
| Liner Thickness: | | 127 3.1 mils (| (0.08 mm) | D-3652 |
| Elongation at Break: | | 6% | | D-3759 |
| Temperature Use Range: | | -65° to 3 | 00°F (-54° to 149°C) | |
| Water Vapor Transmission Rate: | | | | D-3833 |
| Approximate Weight: | | 0.013 lbs | 0.013 lbs./yd./in. width (4.77 gms/m/24 mm) | |
| | | | (File E 122798) and 723, | Class "L" low |
| • 3M aluminum foil tape 425 can be certified to meet SAE-AMS-T-23397 and L-T-80C | | | | |
| • Meets requirements of F.A.R. 25.853(a). | | | | |
| • The very low moisture vapor transmission rate makes these tapes a good sealant. | | | | |
| • The acrylic adhesive, combined with the durable aluminum backing, offers ideal properties for long serviceable life in and outdoors. | | | | |
| Good candidate as a maskant in electroplating of aluminum because it will not contaminate the bath. | | | | |
| Aluminum backing provides excellent reflection of both heat and light. | | | | |
| • Best results obtained when applied to a clean, dry surface above 32°F (0°C). | | | | |
| | Backing Dead soft aluminum Note: The or ty Adhesion to 3M alum 3M alum 1 Tensile Street 1 S | Backing Adhesive Dead soft aluminum Note: The following tech or typical only and Adhesion to Steel: 3M aluminum foil tape 4 3M aluminum foil tape 4 3M aluminum foil tape 4 Elongation at Break: Temperature Use Range: Water Vapor Transmission Rate: Approximate Weight: Flame resistant. Meet flammability rating (I) 3M aluminum foil tape 4 Elongation at Break: Temperature Use Range: Water Vapor Transmission Rate: Approximate Weight: Flame resistant. Meet flammability rating (I) God candidate as a recontaminate the bath. Aluminum backing p | Backing Adhesive Color Dead soft aluminum Note: The following technical informa or typical only and should not be adhesion to Steel: 3M aluminum foil tape 425 | Backing Adhesive Color Liner Dead soft Acrylic Shiny silver Easy-release paper (3M aluminum foil tape 427) Note: The following technical information and data should be color typical only and should not be used for specification pure. Adhesion to Steel: 3M aluminum foil tape 425 |

or endorse the usage of the aluminum tape for medical application. User assumes all risk and liability

whatsoever in connection with usage of product in a medical application.

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Application Ideas

- Aircraft paint stripping maskant.
- Moisture barrier in "white goods" appliances.
- General purpose heat reflector and heat dissipater.
- Mechanically hold wires and cooling coils in "white goods" appliances.
- Repair tears on truck trailers and aircraft.
- Splicing of thin gauge foils.
- General purpose holding, patching, sealing applications indoors and out.

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 24 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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