

# **Aluminum Foil Tape**

425 • 427

Product Description	3M <sup>TM</sup> 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.				
<b>Product Construction</b>	Backing	Adhesive	Color	Liner	Standard Roll Lengt
	Dead soft aluminum	Acrylic	Shiny silver	Easy-release paper (3M aluminum foil tape 427)	60 yds. (55 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 Metho
					7101111110011110
		Steel: num foil tape 4 num foil tape 4		. width (51 N/100 mm) . width (55 N/100 mm)	D-3330
	3M alumi	num foil tape 4 num foil tape 4	127 50 oz./in.		
	3M alumi 3M alumi	num foil tape 4 num foil tape 4 ngth:	127 50 oz./in. 28 lbs./in	. width (55 N/100 mm)	D-3330
	3M alumi 3M alumi Tensile Stre	num foil tape 4 num foil tape 4 ngth: ickness:	28 lbs./in 28 lbs./in 2.8 mils (	. width (55 N/100 mm) . width (490 N/100 mm)	D-3330 D-3759
	3M alumi 3M alumi Tensile Stre Backing Thi Total Tape 1 Liner Thickr	num foil tape 4 num foil tape 4 ength: ickness: Thickness:	50 oz./in. 28 lbs./in 2.8 mils ( 4.6 mils (	. width (55 N/100 mm) . width (490 N/100 mm) (0.07 mm)	D-3330 D-3759 D-3652
	3M alumi 3M alumi Tensile Stre Backing Thi Total Tape 1 Liner Thickr	num foil tape 4 num foil tape 4 ngth: ickness: Thickness: ness: num foil tape 4	50 oz./in. 28 lbs./in 2.8 mils ( 4.6 mils (	. width (55 N/100 mm) width (490 N/100 mm) (0.07 mm) (0.12 mm)	D-3330 D-3759 D-3652 D-3652
	3M alumi 3M alumi Tensile Stre Backing Thi Total Tape T Liner Thickr 3M alumi Elongation a	num foil tape 4 num foil tape 4 ngth: ickness: Thickness: ness: num foil tape 4	50 oz./in. 28 lbs./in 2.8 mils ( 4.6 mils ( 527 3.1 mils ( 6%	. width (55 N/100 mm) width (490 N/100 mm) (0.07 mm) (0.12 mm)	D-3330 D-3759 D-3652 D-3652 D-3652
	3M alumi 3M alumi Tensile Stre Backing Thi Total Tape T Liner Thickr 3M alumi Elongation a Temperature Water Vapo	num foil tape 4 num foil tape 4 num foil tape 4 num foil tape 4 nckness: Thickness: ness: num foil tape 4 num foil tape 6 num	50 oz./in. 28 lbs./in 2.8 mils ( 4.6 mils ( 27 3.1 mils ( 6% -65° to 3( 005 g H	. width (55 N/100 mm) . width (490 N/100 mm) (0.07 mm) (0.12 mm) (0.08 mm)	D-3330 D-3759 D-3652 D-3652 D-3652

- 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  $32^{\circ}F$  (0°C).

**IMPORTANT:** These tapes are not intended for medical usage. Neither 3M nor the Food and Drug Administration have evaluated or reviewed this tape for medical application. 3M does not recommend 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.

# **3M<sup>™</sup> Aluminum Foil Tape**

425 • 427

#### **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  $60^\circ$  to  $80^\circ$ F ( $16^\circ$  to  $27^\circ$ 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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