## **3M**

# **Aluminum Foil Tape**

425 • 427

Backing Adhesive  Dead soft Acrylic aluminum	Color	Liner	
	01: "		Standard Roll Length
	Shiny silver	Easy-release paper (3M aluminum foil tape 427)	60 yds. (55 m)
		tion and data should be con e used for specification purp	
			<b>ASTM Test Method</b>
•			D-3330
Tensile Strength:			D-3759
Backing Thickness:	2.8 mils (	2.8 mils (0.07 mm)	D-3652
Total Tape Thickness:	4.6 mils (	(0.12 mm)	D-3652
Liner Thickness: 3M aluminum foil tape 42	7 3.1 mils (	(0.08 mm)	D-3652
Elongation at Break:			D-3759
Temperature Use Range:	-65° to 30	00°F (-54° to 149°C)	
Water Vapor Transmission Rate:			D-3833
Approximate Weight:	0.013 lbs	s./yd./in. width (4.77 gms/m/24	l mm)
		(File E 122798) and 723, (	Class "L" low
<ul> <li>Can be certified to meet SAE-AMS-T-23397 and L-T-80B.</li> </ul>			
• Meets requirements of	F.A.R. 25.8	53(a).	
•			anes a good sealant
•	•		
	Adhesion to Steel:  3M aluminum foil tape 42 3M aluminum foil tape 42 Tensile Strength: Backing Thickness: Total Tape Thickness: Liner Thickness: 3M aluminum foil tape 42 Elongation at Break: Temperature Use Range: Water Vapor Transmission Rate: Approximate Weight:  • Flame resistant. Meets flammability rating (Figure 1) • Can be certified to meeter 1) • Meets requirements of 1) • The very low moisture 1) • The acrylic adhesive, of 1)	Adhesion to Steel:  3M aluminum foil tape 425 3M aluminum foil tape 427 30 lbs./in  Backing Thickness:  10tal Tape Thickness: 3M aluminum foil tape 427 3.1 mils for thickness: 3M aluminum foil tape 427 4.6 mils for thickness: 3M aluminum foil tape 427 3.1 mils for thickness: 3M aluminum foil tape 427 4.6 mils for thickness: 3M aluminum foil tape 427 50 oz./in 30 lbs./in  4.6 mils for thickness: 3M aluminum foil tape 427 50 oz./in 60	Adhesion to Steel:  3M aluminum foil tape 425 3M aluminum foil tape 427 50 oz./in. width (51 N/100 mm) Tensile Strength: 30 lbs./in. width (525 N/100 mm)  Total Tape Thickness: 3M aluminum foil tape 427 50 oz./in. width (55 N/100 mm)  Total Tape Thickness: 4.6 mils (0.07 mm)  Liner Thickness: 3M aluminum foil tape 427 50 oz./in. width (525 N/100 mm)  2.8 mils (0.07 mm)  4.6 mils (0.12 mm)  Liner Thickness: 3M aluminum foil tape 427 50 oz./in. width (51 N/100 mm)  30 lbs./in. width (525 N/100 mm)  4.6 mils (0.08 mm)  Elongation at Break: 8%  Temperature Use Range: -65° to 300°F (-54° to 149°C)  Water Vapor 0.1g H <sub>2</sub> O/100 sq. in./24 hrs. (1.55 g/m²/24 hrs.)  Approximate Weight: 0.013 lbs./yd./in. width (4.77 gms/m/24 flammability rating (File R 7311).

contaminate the bath.

**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.

• Best results obtained when applied to a clean, dry surface above 32°F (0°C).

• Good candidate as a maskant in electroplating of aluminum because it will not

• Aluminum backing provides excellent reflection of both heat and light.

### **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 dissipator.
- 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.

#### **Product Use**

All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

#### Warranty and Limited Remedy

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ISO 9001:2000

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.



**Industrial Business** 



