3M

Aluminum Foil Tape

425 • 427 Linered Version

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Product Description	A 5 mil nominal dead soft aluminum foil backing combined with a transparent acrylic adhesive and an easy release liner (Tape 427 only). Tapes 425 and 427 have U.L. Approval Class "L" for low flammability. Can be used indoors or out for many long term applications.				
Construction	Backing	Adhesive	Color	Liner	Standard Roll Length
	Dead soft aluminum	Acrylic	Shiny silver	Easy release paper	60 yds. (55 m)
Typical Physical Properties and Performance Characteristics	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: Tape	e 425 427		idth (51 N/100 mm) idth (55 N/100 mm)	D-3330
	Tensile Strength:	425/427		vidth (525 N/100 mm)	D-3759
	Backing Thickness:	425 427	2.8 mils (.07 3.1 mils (.07		D-3652
	Total Tape Thickness:	425 427	4.6 mils (.11 4.8 mils (.12		D-3652
	Liner Thickness:	427	3.1 mils (.08	3 mm)	D-3652
	Elongation at Break:	425/427	8%		D-3759
	Water Vapor Transmission Rate:	425/427	.1g $H_2O/100$ sq. in./24 hrs. (1.55 g/m²/.24 hrs.)		D-3833
	Approximate Weight:	425/427	0.115 lbs./yd./in. width (4.77 gms/m/24 mm)		
General Information	427 tape can easily be die-cut into special sizes or shapes.				
	• The very low moisture vapor transmission rate makes 425 and 427 tapes a good sealant.				
	 The acrylic adhesive combined with the durable aluminum backing offers ideal properties for long serviceable life both indoors and out. 				
	 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.

• 425 tape has been tested and passed F.A.R. specification No. 25.853(a).

• Can be certified to meet MIL-T-23397b, Type II.

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General Information (continued)

- Performance range from -65°F to 300°F (-54°C to 150°C). Higher temperatures for shorter periods.
- Store in a clean, dry place at 60-80°F (15-27°C) and 40-50% relative humidity no longer than 24 months from date of manufacture.
- Flame resistant. Meets U.L. 723, Class "L" Low Flammability Rating File R 7311.
- Best results obtained when applied to a clean, dry surface above 32°F (0°C).

IMPORTANT: The 3M[™] 425 Aluminum Tape is not intended for medical usage. Neither 3M nor the Food and Drug Administration has 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.

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.

Features	Advantages	Benefits
Aluminum foil backing	Long term protection	Helps protect parts from water, dust or chemical damage
	Heat reflective	• Helps protect parts from heat
	• Flame resistant	• Will not support combustion
Acrylic adhesive Long aging		Helps reduce need for replacing

For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550. Address correspondence to: 3M Industrial Tape and Specialties Division, 3M Center, Building 220-7W-03, St. Paul, MN 55144-1000. Our fax number is 651-733-9175. In Canada, phone: 519-451-2500. In Puerto Rico, phone: 787-750-3000. In Mexico, phone: 52-5-270-0400.

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(ISO 9002)



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