3M

Aluminum Foil Tape

425 • 427 (Linered)

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Product Description	A 5-mil nominal dead Soft aluminum foil backing combined with a transparent acrylic adhesive. 427 tape offers an easy-release film liner. Can be used indoors or out for many long term applications.					
Product Construction	Backing	Adhesive	Color	Liner	Standard Roll Lengt	
	Dead soft aluminum	Acrylic	Shiny silver	Easy-release paper	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 Method					
	Adhesion to Steel: Tap	e 425 427		dth (51 N/100 mm) dth (55 N/100 mm)	D-3330	
	Tensile Strength:	425/427	30 lbs./in. wi	dth (525 N/100 mm)	D-3759	
	Backing Thickness:	425/427	2.8 mils (0.0	7 mm)	D-3652	
	Total Tape Thickness:	425/427	4.6 mils (0.1	2 mm)	D-3652	
	Liner Thickness:	427	3.1 mils (0.0	8 mm)	D-3652	
	Elongation at Break:	425/427	8%		D-3759	
	Temperature Use Range:		-65° to 300°F	F (-54° to 149°C)		
	Water Vapor Transmission Rate:	425/427		0 sq. in./24 hrs.	D-3833	
	Approximate Weight:	425/427	0.115 lbs./vd	d./in. width (4.77 gms/r	n/24 mm)	

- Can be certified to meet SAE-AMS-T-23397 and L-T-80B.
- Meets requirements of F.A.R. 25.853(a).
- 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.
- Performance range from -65° to 300°F (-54° to 150°C). Higher temperatures for shorter periods.
- Best results obtained when applied to a clean, dry surface above 32°F (0°C).

IMPORTANT: The 3M[™] Aluminum Foil Tape 425 and 427 (Linered) 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.

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Shelf Life

To obtain best performance, use this product within 24 months from date of manufacture and store under normal conditions of 60° to 80° F (16° to 27° C) and 40 to 60% R.H. in the original carton.

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.

suitable for the user's method of application.

- Splicing of thin gauge foils.
- General purpose holding, patching, sealing applications indoors and out

Features	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			
Technical Information and Data	The technical information and data, recommendations, and other statements provided in this brochure are based on tests or experience which 3M believes to be reliable, but the accuracy or completeness of such information is not guaranteed.					
Product Use	Please remember that many factors can affect the use and performance of a 3M product in a particular application. The materials to be used with the 3M product, the surface preparation of those materials, the product selected for use, the conditions in which the product is used, and the time and environmental conditions in which the product is expected to perform are among the many factors that can affect the use and performance of a 3M product. Given the variety of factors that can affect the use and performance of a 3M product, some of which are uniquely within the user's knowledge and control, it is					

Limited Warranty and Limited Remedy

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essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and

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This Industrial Tape and Specialties Division product was manufactured under a 3M quality system registered to ISO 9002 standards.



Industrial Tape and Specialties Division