3M Aluminum Foil Tape 431 • 439L (Linered)

	3M [™] Aluminum Foil Tape 431 and 439L is a 2-mil nominal dead soft aluminum foil with transparent acrylic adhesive for many permanent sealing, holding, splicin or masking applications requiring the protection offered by a foil backing. IMPORTANT: 3M [™] Aluminum Foil Tape 431 and 439L are not intended for medical usage. Neither 3M nor the Food and Drug Administration have evaluated or reviewed this tape for medical application. User assumes all risk and liability whatsover in connection with usage of product in a medical application.								
Product Construction	Backing Adhesive		e Color	Liner (3M tape 439L) Stand		dard Roll Length			
	Aluminum foil	Acrylic	Shiny silve	Tan kraft paper with silicone release	60 yds	. (55 m)			
	Adhesion to Stee		3M tane //31	41 oz./in. width (45 N/100	mm)	TM Test Metho D-3330 D-3759			
	Adhasian ta Staa	J.		41 oz /ip width (45 N/100		TM Test Metho			
			3M tape 431 3M tape 439L		19 lbs./in. width (338 N/100 mm) D-3 18 lbs./in. width (315 N/100 mm) D-3				
	Elongation at Bre	eak:	3M tape 431 3M tape 439L	5% 3%		D-3759			
	Backing Thickness:			1.9 mils (0.05 mm)		D-3652			
	Total Tape Thickr	ness:		3.1 mils (0.08 mm)		D-3652			
	Liner Thickness:		3M tape 439L	5.6 mils (0.14 mm)		D-3652			
	Water Vapor Transmission Rate:			0.1 gms H ₂ O/100 sq. in./24 hrs. (1.55 g/m²/24 hrs.)		D-3833			
	Temperature Use Range:			-65° to 300°F (-54° to 149°C)					
	Weight:			0.0096 lbs./yd./in. width (.0049 kg/m/24 mm)					
Footumes	• Elomo registo	nt Moot		ass "I" low flommobilit	w roting	(Eila D 7211)			
Features	 Flame resistant. Meets U.L. 723, Class "L" low flammability rating (File R 7311). Meets requirements of F.A.R. 25.853(a). 								
	 Foil backing provides an excellent reflective surface for both heat and light. 								
	 Good aging performance both indoors and outdoors. 								
	 Good aging n 	<i>c</i> morma	nee oour mao	 Low moisture vapor transmission rate offers excellent sealing and patching performance. 					

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Application Ideas	• Seal and patch tears in truck trailers, as well as other outdoor equipment.					
	• Reflect heat away from sensitive areas.					
	• Thermal heat conduction.					
	• General purpose holding, patching, sealing applications – indoors or out.					
	• Splicing of thin gauge foils.					
	• Good maskant in electroplating of aluminum because it will not contaminate the bath.					
	• Decorative.					
Storage	Store under normal conditions of 60° to 80° F (16° to 27° C) and 40 to 60% R.H. is 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 upor 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 t 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.					
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Limitation of Liability	Except where prohibited by law, 3M and seller will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.					
	(ISO 9001:2000)					
	This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standard					



Industrial Business Industrial Adhesives and Tapes Division

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Recycled Paper 40% pre-consumer 10% post-consumer