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

Product Description	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, splicing 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	Adhesiv	e Color	Liner (3M tape 439L)	Standard Roll Length
	Aluminum foil	Acrylic	Shiny silve		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
	Adhesion to Ste		2M topo 421	41 oz./in. width (45 N/100	
	Tensile Strength	i al Dreak.	3M tape 431	19 lbs./in. width (338 N/10 18 lbs./in. width (315 N/10	
	Elongation at Br	eak:	3M tape 431 3M tape 439L	5% 3%	D-3759
	Backing Thickne	ess:		1.9 mils (0.05 mm)	D-3652
	Total Tape Thick			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:			0.05 gms H ₂ O/100 sq. in. (0.77 g/m ² /24 hrs.)	/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)	

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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. in the original carton.	
Shelf Life	To obtain best performance, use this product within 24 months from date of manufacture.	
Product Selection and Use	Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (<i>e.g.</i> , OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3N product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.	
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	This Industrial Adhesives and Tanes Division product was manufactured under a 3M quality system registered to ISO 9001 standard	

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