3M Heavy Duty Aluminum Foil Tape 438

3M [™] Heavy Duty Aluminum Foil Tape 438 has a transparent acrylic adhesive to use when a heavier weight foil is required.			
Backing	Adhesiv	e Color	Standard Roll Length
Aluminum foil	Acrylic	Shiny silver	60 yds. (55 m)
Adhesion to Steel: Tensile Strength:		43 oz./in. width (47 N/100 mi 59 lbs./in. width (1033 N/100	mm) D-3759
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0	•		D-3652
Tape Thickness:		7.2 mils (0.18 mm)	D-3652
Temperature Use Range:		-65° to 300°F (-54° to 149°C)
Water Vapor Transmission Rate:		0.1 gms H ₂ O/100 sq. in./24 h (1.55 g/m²/24 hrs.)	brs. D-3833
Weight:		0.0217 lbs./yd./in. width (0.0109 kg/m/24 mm)	
Meets requirement	ents of F.A.R	. 25.853(a).	
	use when a heavier Backing Aluminum foil Note: The following or typical on Adhesion to Steel: Tensile Strength: Elongation at Break Backing Thickness: Tape Thickness: Temperature Use Ra Water Vapor Transm Weight: • Flame resistant. • Meets requirema	use when a heavier weight foil Backing Adhesive Aluminum foil Acrylic Note: The following technical into or typical only and should Adhesion to Steel: Tensile Strength: Elongation at Break: Backing Thickness: Tape Thickness: Temperature Use Range: Water Vapor Transmission Rate: Weight: • Flame resistant. Meets U.L. 7 • Meets requirements of F.A.R	use when a heavier weight foil is required. Backing Adhesive Color Aluminum foil Acrylic Shiny silver Note: The following technical information and data should be or typical only and should not be used for specification Adhesion to Steel: Adhesion to Steel: 43 oz./in. width (47 N/100 millow) Tensile Strength: 59 lbs./in. width (1033 N/100 Elongation at Break: 10% Backing Thickness: 5.0 mils (0.13 mm) Tape Thickness: 7.2 mils (0.18 mm) Temperature Use Range: -65° to 300°F (-54° to 149°C Water Vapor Transmission Rate: 0.1 gms H ₂ O/100 sq. in./24 hr (1.55 g/m²/24 hrs.) Weight: 0.0217 lbs./yd./in. width

• The high coefficient of expansion offered by the aluminum allows expansion and contraction with changes in temperatures, along with thermal conductivity.

• Performs in a range from -65° to over 300°F (-54° to 149°C). Higher temperatures for shorter periods of time.

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Application Ideas	• Barrier, protector and thermal conductor in appliance (electronics) industry.		
	• Use when customer specification calls for a 5-mil (0.13 mm) foil as a barrier for vinyl coated wires in many applications in appliance industry.		
	• Patch tears in skins of aircraft and truck trailers.		
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 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.		
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Industrial Business Industrial Adhesives and Tapes Division

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