3M Heavy Duty Aluminum Foil Tape 438

Product Description	A 5 mil aluminum foil tape with a transparent acrylic adhesive to use when a heavier weight foil (than 425 tape) is required.				
Construction	Backing	Adhesive	Color	Standard Roll Length	
	Aluminum foil	Acrylic	Shiny silver	60 yds. (55 m)	
Typical Physical Properties and Performance	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				
Characteristics	Adhesion to Steel:	13 oz /in w	<i>v</i> idth (47 N/100 mm)	D-3330	
	Tensile Strength:		width (1033 N/100 mm)	D-3759	
	Backing Thickness:	5 mils (.13		D-3652	
	Tape Thickness:	7.2 mils (.1		D-3652	
	Elongation at Break:	10%		D-3759	
	Water Vapor Transmission Rate:	.1g H ₂ O/100 sq. in./24 hrs. (1.55 g/m²/24 hrs.)			
	Weight:	.0217 lbs./yd./in./width (.0109 kg/m/24 mm)			
General Information	• For applications requiring greater thickness than 425 tape.				
	• Meets UL 723 specification for class L low flammability.				
	• Foil backing provides an excellent reflective surface for both heat and light.				
	• Aluminum foil backing and acrylic adhesive system combine to offer long aging both indoors and out.				
	• 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°F to over 300°F (-54°C to 149°C). Higher temperatures for shorter periods of time.				
	• 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.				

Heavy Duty Aluminum Foil Tape

Application Ideas	 Barrier, protector and thermal conductor in appliance (electronics) industry. Use when customer specification calls for a 5 mil (.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. 								
						Features	Advantages	Benefits	
						• 5 mil (.13 mm) aluminum foil backing	 Heavy Protection Heavier than many foil backings 	• Helps protect parts from water, dust and chemical damage	
			• Heat reflective	• Helps protect parts from heat					
			• Non-flammable Meets U.L. 723 class L	• Will not aid combustion					
	• Acrylic adhesive	• Long aging	Helps reduce replacement cost						
For Additional Information	To request additional product information or to arrange for sales assistance, call toll free 1-800-227-5085. Address correspondence to: 3M Industrial Tape and Specialties Division, 3M Center, Building 220-8E-04, St. Paul, MN 55144-1000. Our fax number is 612-733-9175. In Canada, phone: 1-519-451-2500. In Puerto Rico, phone: 1-809-750-3000. In Mexico, phone: 5-728-0400.								
	3M MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of application. Please remember that many factors can affect the use and performance of a 3M ITSD product in a particular application. The materials to be bonded with the 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 ITSD product. Given the variety of factors that can affect the use and performance of a 3M ITSD product. Some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M ITSD product to determine whether it is fit for a particular purpose and suitable for the user's method of application.								
Important Notice	IMPLIED WARRANTY OF MERCI responsible for determining wheth method of application. Please rem ITSD product in a particular applic preparation of those materials, the and the time and environmental co many factors that can affect the us that can affect the use and perform user's knowledge and control, it is	HANTABILITY OR FITNESS FOR A er the 3M product is fit for a particul ember that many factors can affect ation. The materials to be bonded v product selected for use, the condi onditions in which the product is exp is and performance of a 3M ITSD p nance of a 3M ITSD product, some essential that the user evaluate the	A PARTICULAR PURPOSE. User is ar purpose and suitable for user's the use and performance of a 3M vith the product, the surface tions in which the product is used, bected to perform are among the roduct. Given the variety of factors of which are uniquely within the 3M ITSD product to determine						
- Limitation of Remedies	IMPLIED WARRANTY OF MERCI responsible for determining wheth method of application. Please rem ITSD product in a particular applic preparation of those materials, the and the time and environmental co many factors that can affect the us that can affect the use and perform user's knowledge and control, it is whether it is fit for a particular purp If the 3M product is proved to be of TO REFUND THE PURCHASE PI PRODUCT. 3M shall not otherwise	HANTABILITY OR FITNESS FOR A er the 3M product is fit for a particul ember that many factors can affect ation. The materials to be bonded v product selected for use, the condi onditions in which the product is exp is and performance of a 3M ITSD p nance of a 3M ITSD product, some essential that the user evaluate the	A PARTICULAR PURPOSE. User is ar purpose and suitable for user's the use and performance of a 3M vith the product, the surface tions in which the product is used, oected to perform are among the roduct. Given the variety of factors of which are uniquely within the a 3M ITSD product to determine hod of application.						
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