3M High Temperature Aluminum Foil Tape 433

Product Description	A dead soft aluminum foil backing with a silicone adhesive that can be used in many high temperature applications.				
Construction	Backing	Adhesive	Color	Standard Roll Length	
	Aluminum Foil (alloy 1100-0)	Silicone (Clear)	Shiny Silver	60 yds. (55 m)	
Typical Physical Properties and	Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.				
Performance Characteristics				ASTM Test Method	
	Adhesion to Steel:	37 oz./in width (40 N	I/100 mm)	D-3330	
	Tensile Strength:	23 lbs./in. width (403	3 N/100 mm)	D-3759	
	Elongation at Break:	4%		D-3759	
	Backing Thickness:	2.2 mils (.056 mm)		D-3652	
	Total Tape Thickness:	3.4 mils (.086 mm)		D-3652	
	Water Vapor Transmission Rate:	.1 gms (H ₂ 0/100 sq. (1.55 g/m²/24 hrs.)	in./24 hrs.	D-3833	
	Temperature Use Range: Permanent Appl. Removable Appl.	-65°F to 600°F (-54°C to 316°C) -65°F to 375°F (-54°C to 190°C)			
	Weight:	.0096 lbs./yd./in. wic	3th (.0049 kg/m/24	1 mm)	
General Information	 Best results obtained when applied to a clean surface above 32°F (0°C), but tape can be applied from 0°F (-18°C) to 200°F (92°C). Store in a clean dry place at 60-80°F (15-27°C) and 40-50% relative humidity no longer than 18 months from date of manufacture. 				
	• Ideal as a heat reflective wrap along or over insulations, applied to tubes, engine support structures, missle ground handling equipment, or as a protector from other heat source areas such as hot areas in steel mills.				
	• Good holding, splicing, patching or general protecting tape on many applications involving high temperatures.				
	• Performance range from -65°F to over 600°F (-54°C to over 316°C). Adhesive will gradually thermoset at high temperatures. As it thermosets, the adhesive mass becomes firm and gradually loses its pressure sensitivity but will continue to hold the tape in place.				
	 Flame resistant – will not support combustion. Meets F.A.R. 25.853(a). 				

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 Moisture barrier around doors and windows to help prevent fogging of glass 								
 Seal for automotive air bag inflators To hold insulation on hot air ducts in industry Cover resistance wire heating elements to distribute the heat Splice jumbo rolls of aluminum foil or holding the last lap of narrow width rolls in preparation to annealing the rolls (NOTE: The use of 3M Tape Primer helps improve the bond on oily surfaces) As a heat reflective wrap used in conjunction with insulation, tube, cables, or where otherwise required for high heat protection 								
				Maskant of metal during plastic coating				
				Features	Advantages	Benefits		
				Aluminum foil backing	Excellent protection	• Helps protect parts from water, dust or chemical damage		
					• Heat reflective	Helps protect from heat damage		
	• Non-flammable	• Will not aid combustion						
Silicone adhesive	• Wide temperature range	• Will seal or protect even under extreme temperatur conditions						
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.								
IMPLIED WARRANTY OF MERC responsible for determining whet method of application. Please re ITSD product in a particular appl preparation of those materials, th and the time and environmental many factors that can affect the u that can affect the use and perfo user's knowledge and control, it	CHANTABILITY OR FITNESS FOR A ther the 3M product is fit for a particul member that many factors can affect ication. The materials to be bonded w he product selected for use, the condi conditions in which the product is exp use and performance of a 3M ITSD p rmance of a 3M ITSD product, some is 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 itions in which the product is used, bected to perform are among the roduct. Given the variety of factors of which are uniquely within the a 3M ITSD product to determine						
If the 3M product is proved to be defective, THE EXCLUSIVE REMEDY, AT 3M'S OPTION, SHALL BE TO REFUND THE PURCHASE PRICE OF OR TO REPAIR OR REPLACE THE DEFECTIVE 3M PRODUCT. 3M shall not otherwise be liable for loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including negligence, warranty, or strict liability.								
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_	 To hold insulation on ho Cover resistance wire he Splice jumbo rolls of alupreparation to annealing improve the bond on oil; As a heat reflective wrap otherwise required for hi Maskant of metal during Features Aluminum foil backing Silicone adhesive To request additional product inforded reso correspondence to: 3M St. Paul, MN 55144-1000. Our fair neuero Rico, phone: 1-809-75 3M MAKES NO WARRANTIES, IMPLIED WARRANTY OF MERT responsible for determining whet method of application. Please re ITSD product in a particular appl preparation of those materials, the and the time and environmental many factors that can affect the use and perforuser's knowledge and control, it whether it is fit for a particular put for REFUND THE PURCHASE PRODUCT. 3M shall not otherwinicidental, or consequential, registrict liability. 	 To hold insulation on hot air ducts in industry Cover resistance wire heating elements to distribute th Splice jumbo rolls of aluminum foil or holding the last preparation to annealing the rolls (NOTE: The use of a improve the bond on oily surfaces) As a heat reflective wrap used in conjunction with insto otherwise required for high heat protection Maskant of metal during plastic coating Features Advantages Aluminum foil backing • Excellent protection Heat reflective Heat reflective Non-flammable Silicone adhesive • Wide temperature range To request additional product information or to arrange for sales assis Address correspondence to: 3M Industrial Tape and Specialties Divis St. Paul, MN 55144-1000. Our fax number is 612-733-9175. In Canac In Puerto Rico, phone: 1-809-750-3000. In Mexico, phone: 5-728-040 3M MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDIN IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A responsible for determining whether the 3M product is fit for a particular application. The materials to be bonded v preparation of those materials, the product selected for use, the cond and the time and environmental conditions in which the product is environmental conditions in which the product is grant and fact the use and performance of a 3M ITSD product in a particular application. The materials to be bonded v preparation of those materials, the product selected for use, the cond and the time and environmental conditions in which the product is environmental conditions in which the product is environmental conditions in which the product is grant and fect the use and performance of a 3M ITSD product. Some user's knowledge and control, it is essential that the user evaluate the whether it is fit for a particular purpose and suitable for the user's met many factors that can affec						

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