3M

Heavy Duty Aluminum Foil Tape

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Technical Data				November, 1994	
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 Method				
Characteristics	Adhesion to Steel:	43 oz./in. v	vidth (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/10 (1.55 g/m²,	00 sq. in./24 hrs. /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.

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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.

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