3M

Heavy Duty Aluminum Foil Tape

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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.				
Product Construction	Backing	Adhesive	Color	Standard Roll Length	
	Aluminum foil	Acrylic	Shiny silver	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 Method	
	Adhesion to Steel:	43 oz./in. width (47 N/100 mm)		D-3330	
	Tensile Strength:	59 lbs./in. width (1033 N/100 mm)		D-3759	
	Backing Thickness:	5.0 mils (0.13 mm)		D-3652	
	Tape Thickness:	7.2 mils (0.	18 mm)	D-3652	
	Elongation at Break:	10%		D-3759	
	Temperature Use Range:	-65° to 300	-65° to 300°F (-54° to 149°C)		
	Water Vapor Transmission Rate:	0.1g H ₂ O/1 (1.55 g/m²,	00 sq. in./24 hrs. /24 hrs.)		
	Weight:	0.0217 lbs. (0.0109 kg	./yd./in./width /m/24 mm)		
General Information	 Flame resistant. Meets U.L. 723, Class "L" low flammability rating (File R 7311). Meets requirements of F.A.R. 25.853(a). 				
	 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° to over 300°F (-54° to 149°C). Higher temperatures for shorter periods of time. 				

Shelf Life

To obtain best performance, use this product within 24 months from date of manufacture and store under normal conditions of 60° to 80° F (16° to 27° C) and 40 to 60% R.H. in the original carton.

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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.

Features	Features	Advantages	Benefits			
	5-mil 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			
Technical Information de Data	are based on tests or experie	The technical information and data, recommendations, and other statements provided in this brochure are based on tests or experience which 3M believes to be reliable, but the accuracy or completeness of such information is not guaranteed.				
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	including, but not limited to,	including, but not limited to, contract, warranty, negligence, or strict liability				



This Industrial Tape and Specialties Division product was manufactured under a 3M quality system registered to ISO 9002 standards.



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