

3M

Aluminum Foil Tape

1449

Technical Data

Product Description	3M™ Aluminum Foil Tape 1449 is an 1.4 mil (nominal) dead soft aluminum foil backing combined with a transparent, acrylic adhesive.			
Product Construction	Backing	Adhesive	Color	Standard Roll Length
	Dead soft 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:	37 oz./in. width (40 N/100 mm)		D-3330
	Tensile Strength:	19 lbs./in. width (333 N/100 mm)		D-3759
	Elongation at Break:	11%		D-3759
	Backing Thickness:	1.4 mils (0.04 mm)		D-3652
	Total Tape Thickness:	2.6 mils (0.07 mm)		D-3652
	Water Vapor:	0.1g H ₂ O/100 in. ² /24 Hrs.		
	Transmission Rate:	(155g/m ² .24h)		
	Temperature Use Range:	-25° to 250°F (-32° to 121°C)		
Features	• Can be used indoors or out for long term applications. • Thinnest 3M™ Aluminum Foil Tape for added conformability. • The acrylic adhesive combined with the durable aluminum backing offers ideal properties for long serviceable life both indoors and out. • Aluminum backing provides excellent reflection of both heat and light. • High formable foil alloy allows for application to complex shape surfaces. • Best adhesion results obtained when applied to clean dry surfaces about 32°F (0°C).			
Application Ideas	• High conformability for wrapping applications. • General purpose heat reflector. • Mechanically hold wires and cooling coils to appliance walls. • Securing and heat transfer medium in the refrigeration industry. • General purpose holding, patching and sealing applications – indoors and out.			

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Storage	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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Shelf Life	To obtain best performance, use this product within 18 months from date of manufacture.
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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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ISO 9001:2000

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.



Industrial Business Industrial Adhesives and Tapes Division

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Printed in U.S.A.
©3M 70-0709-4899-0 (2002/6/05)