



Technical Data Sheet

3M™ Aluminum Foil Tape 3363



[Product Details](#)



[Regulatory Info/SDS](#)

Product Description

3M™ Aluminum Foil Tape 3363 is a 3.0 mil (76 µm) high strength, dead soft aluminum foil coated with an acrylic pressure sensitive adhesive.

Product Features

- UL723 classified (0/0 Flame/Smoke Rating). File R7311.
- Specifically designed for cold weather conditions
- Acrylic adhesive performs well over a wide temperature range
- Hand tearable allows for easy installation

Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Typical Physical Properties

Attribute Name	Test Method	Value
Color		Silver
Adhesive Type		Acrylic
Backing		Aluminum Foil
Backing Thickness	ASTM D3652	0.08 mm (3 mil)
Total Tape Thickness	ASTM D3652	0.13 mm (5 mil)
Liner Thickness		0.09 mm (3.4 mil)

Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	22 °C (72 °F)	4.4 N/cm (40 oz/in) ¹
Elongation at Break	ASTM D3759		6 %
Tensile Strength	ASTM D3759		49 N/cm (28 lb/in)

¹ 12 in/min (300 mm/min)

Attribute Name	Value
Long Term Temperature Resistance	121 °C (250 °F) ¹
Minimum Long Term Temperature Resistance	-40 °C (-40 °F) ¹

¹ Long Term (day, weeks)

Handling/Application Information

Application Examples

- Foil backing provides an excellent reflective surface for both heat and light
- Low moisture vapor transmission rate offers excellent sealing performance
- Durable foil backing offers ideal properties for long serviceable life indoors and outdoors
- Malleable foil applies easily to both fibrous and sheet metal ducts

Industry Specifications

UL 723

Storage and Shelf Life

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton. To obtain best performance, use this product within 12 months from date of manufacture.

Available Sizes

Attribute Name	Value
Standard Roll Length	55 m (60 yd)

Automotive Disclaimer

Select Automotive Applications: This product is an industrial product and has not been designed or tested for use in certain automotive applications, such as automotive electric powertrain battery or high voltage applications, which may require the product to be manufactured in a IATF certified facility, meet a Ppk of 1.33 for all properties, undergo an automotive production part approval process (PPAP), or fully adhere to automotive design or quality system requirements (e.g., IATF 16949 or VDA 6.3). Customer assumes all responsibility and risk if customer chooses to use this product in these applications.

Information

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ISO Statement

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

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