

English

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Technical Data Sheet

3M™ Aluminum Foil Tape 3381

Product Details

Regulatory Info/SDS

Product Description

3M™ 3381 Aluminum Foil Tape is a high strength dead soft aluminum foil coated with a cold weather acrylic pressure sensitive adhesive.

Product Features

- Cold weather acrylic adhesive applies easily at temperatures well below freezing.
- Conforms well to irregular surfaces.
- Specifically designed for cold weather conditions.
- Hand tearable and easy to install on site without special tools or application methods.

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		Natural Aluminum
Adhesive Type		Acrylic
Backing		Aluminum Foil
Backing Thickness	ASTM D3652	0.04 mm (1.4 mil)
Total Tape Thickness	ASTM D3652	0.07 mm (2.8 mil)
Liner		Release Liner

Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	22 °C (72 °F)	5 N/cm (46 oz/in) [1]
Elongation at Break	ASTM D3759		4 %
Tensile Strength	ASTM D3759		26.3 N/cm (15 lb/in)
Long Term Temperature Resistance			121 °C (250 °F) [2]
Minimum Long Term Temperature Resistance			-40 °C (-40 °F) [2]

[1] 12 in/min (300 mm/min)

[2] Long Term (day, weeks)

Handling/Application Information

Application Examples

- Vapor seal for reinforced fiberglass and mineral wool insulation
- Seam and joint sealing on sheet metal and fibrous ductwork

Certifications/Standards

Certifications

UL723 Classified (5/10 Flame/Smoke Rating) [UL file # R7311]

Storage and Shelf Life

Store in a clean, dry place. Temperature of 40-80°F (4-26°C) and 40 to 50% relative humidity are recommended. To obtain best performance, use this product within 24 months from date of manufacture.

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.

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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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