



Technical Data Sheet

3M™ Aluminum Foil Tape 437

Product Description

3M™ Aluminum Foil Tape features a dead soft aluminum foil backing combined with an acrylic pressure sensitive adhesive on a poly-coated Kraft paper liner.

Product Features

- Utilizes a high tack acrylic adhesive to meet automotive OEM requirements
- High initial tack for quick and easy application on assembly lines
- Durable aluminum foil backing offers ideal properties for long serviceable life in and outdoors

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	0.07 mm (3 mil)
Total Tape Thickness	ASTM D3652	0.2 mm (8 mil)
Liner		Poly-coated Kraft Paper
Liner Thickness		0.11 mm (4.2 mil)

Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	22 °C (72 °F)	16.4 N/cm (150 oz/in) ¹
Elongation at Break	ASTM D3759		8 %
Tensile Strength	ASTM D3759		52.5 N/cm (30 lb/in)
Long Term Temperature Resistance			100 °C (212 °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

- Heat shielding
- Moisture barrier
- Thermal conducting

Storage and Shelf Life

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For 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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