



Technical Data Sheet

3M™ Aluminum Foil Tape 4380



[Product Details](#)



[Regulatory Info/SDS](#)

Product Description

3M™ Aluminum Foil Tape 4380 is a general purpose aluminum foil tape offering a dead soft aluminum foil backing combined with an acrylic pressure sensitive adhesive.

Product Features

- General purpose foil tape.
- Temperature use range from -30°F to +300°F (-34°C to +149°C).
- The low water vapor transmission rate makes these tapes a good sealant.
- Best adhesion results attained when applied to clean dry surfaces above 32°F (0°C).

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	0.05 mm (2 mil)
Total Tape Thickness	ASTM D3652	0.08 mm (3.25 mil)

Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	22 °C (72 °F)	4.3 N/cm (40 oz/in) ¹
Elongation at Break	ASTM D3759		4 %
Tensile Strength	ASTM D3759		17.5 N/cm (160 oz/in)

¹ 12 in/min (300 mm/min)

Attribute Name	Value
Long Term Temperature Resistance	149 °C (300 °F) ¹
Minimum Long Term Temperature Resistance	-34 °C (-30 °F) ¹

¹ Long Term (day, weeks)

Handling/Application Information

Application Examples

- General use aluminum foil tape
- Light reflecting
- 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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ISO Statement

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