



# Technical Data Sheet

## 3M™ Electrically Conductive Aluminum Tape 3302



[Product Details](#)

### Product Description

3M™ Electrically Conductive Aluminum Tape 3302 is a 2.0 mil (51 µm) high strength dead soft aluminum foil coated with a conductive pressure sensitive acrylic adhesive. Good adhesion, malleability and adhesive conductivity allow for extremely low resistance and make this an excellent shielding tape.

### Product Features

- UL 510 Recognized (File E230409)
- Malleable copper foil contours well to irregular surfaces
- Good wetting out capabilities to most surfaces
- Hand tearable allowing 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	0.05 mm (2 mil)
Total Tape Thickness	ASTM D3652	0.09 mm (3.5 mil)
Liner Thickness		0.11 mm (4.4 mil)

### Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	23 °C (73 °F)	2.4 N/cm (21 oz/in) <sup>1</sup>
Elongation at Break	ASTM D3759		3 %
Tensile Strength	ASTM D3759		33.3 N/cm (19 lb/in)

<sup>1</sup> 304 mm/min (12 in/min)

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

<sup>1</sup> Long Term (day, weeks)

## **Handling/Application Information**

### **Application Examples**

- Ideal for EMI and RFI shielding applications
- Used in printed circuit manufacturing and repair

## **Industry Specifications**

UL 510 Recognized (File E230409)

## **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 12 months from date of manufacture.

## **Available Sizes**

Attribute Name	Value
Standard Roll Length	33, 55 m (36, 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.

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## **ISO Statement**

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

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