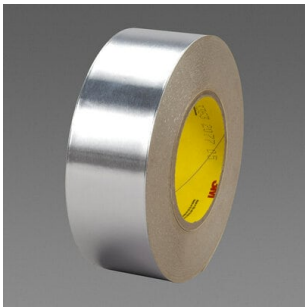




# Technical Data Sheet

## 3M™ Aluminum Foil Tape 3363



[Product Details](#)

### 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  | 23 °C (73 °F) | 4.4 N/cm (40 oz/in) <sup>1</sup> |
| Elongation at Break | ASTM D3759  |               | 6 %                              |
| Tensile Strength    | ASTM D3759  |               | 49 N/cm (28 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**

- Foil backing provides and 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 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 | 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.

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## **ISO Statement**

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

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