



Technical Data Sheet

3M™ Venture Tape™ High Temperature Aluminum Foil Tape 3243

Product Description

3M™ Venture Tape™ High Temperature Aluminum Foil Tape 3243 is an aluminum foil tape coated with a high temperature extremely aggressive acrylic pressure sensitive adhesive.

Product Features

- High temperature backing is ideal for duct and flue pipe closure.
- High resistance to moisture, UV, and many chemicals for long term durability.
- Acrylic adhesive performs well in temperatures as high as 425°F (218°C).
- Hand tearable.

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	0.05 mm (1.8 mil)
Total Tape Thickness	ASTM D3652	0.09 mm (3.5 mil)
Liner		Release Liner

Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	22 °C (72 °F)	7 N/cm (64 oz/in) ¹
Elongation at Break	ASTM D3759		7 %
Tensile Strength	ASTM D3759		29.8 N/cm (17 lb/in)

¹ 12 in/min (300 mm/min)

Attribute Name	Value
Long Term Temperature Resistance	218 °C (425 °F) ¹
Minimum Long Term Temperature Resistance	-40 °C (-40 °F) ¹

¹ Long Term (day, weeks)

Handling/Application Information

Application Examples

- Specifically designed for use as a flue pipe closure tape.
- May be used as a heat shield for welding

Certifications/Standards

Certifications

UL723 Classified (0/0 Flame/Smoke Rating) [UL file #R10984]

Storage and Shelf Life

Store under normal conditions of 4° to 27°C (40° to 80°F) and 40 to 50% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 18 months from date of manufacture.

Available Sizes

Attribute Name	Value
Standard Roll Length	45.7 m (50 yd)

Information

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ISO Statement

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

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