



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

Property	Values	Additional Information
Backing	Aluminum Foil	
Adhesive Type	Acrylic	
Liner	Release Liner	
Color	Natural Aluminum	
Backing Thickness (mm)	0.05 mm	View ^
Test Method: ASTM D3652		
Total Tape Thickness (mil)	3.5 mil	View ^
Test Method: ASTM D3652		
Total Tape Thickness (mm)	0.09 mm	View ^

Test Method: ASTM D3652

Backing Thickness	1.8 mil	View 
Test Method: ASTM D3652		

Typical Performance Characteristics

Property	Values	Additional Information
Tensile Strength	29.8 N/cm	View 

Test Method: ASTM D3759

180° Peel Adhesion	7 N/cm	View 
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		

180° Peel Adhesion	64 oz/in	View 
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		

Tensile Strength (lb/in)	17 lb/in	View 
Test Method: ASTM D3759		

Elongation at Break (%)	7 %	View 
Test Method: ASTM D3759		

Long Term Temperature Resistance	218 °C	
Minimum Long Term Temperature Resistance	-40 °C	

Long Term Temperature Resistance	425 °F	
Minimum Long Term Temperature Resistance	-40 °F	

Available Sizes

Property	Values	Additional Information
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Standard Roll Length	45.7 m
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Standard Roll Length	50 yd
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Certifications/Standards

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

Storage and Shelf Life

Store in a clean, dry place. Temperature of 40-80°F (4-26°C) and 40 to 50% relative humidity are recommended.
To obtain best performance, use this product within 24 months from date of manufacture.

Bottom Matter

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Trademarks

3M and Venture Tape are trademarks of 3M Company.

Handling/Application Information

Application Examples

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

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/p/d/b40067999/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=3243

Family Group

Link Tags:

- 3243

Products	Adhesive Type	Liner	Color	Backing Thickness (mm)	Tensile Strength	Long Term Temperature Resistance	Minimum Long Term Temperature Resistance
3243	Acrylic	Release Liner	Natural Aluminum	0.05 mm	29.8 N/cm	425 °F	-40 °C

ISO Statement

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.

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