



Technical Data Sheet

3M™ Venture Tape™ Aluminum Foil Tape 1520CW

Product Description

3M™ Venture Tape™ 1520CW is a high strength dead soft aluminum foil tape coated with a cold weather acrylic pressure sensitive adhesive.

Product Features

- Bonds and seals at temperatures as low as -10°F (-23°C)
- Excels in demanding temperature and humidity applications
- Conforms well to curved and irregular surfaces
- Specifically designed for cold weather conditions
- 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)	3.2 mil	View
Test Method: ASTM D3652		
Total Tape Thickness (mm)	0.08 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	36.8 N/cm	View 

Test Method: ASTM D3759

180° Peel Adhesion	5.6 N/cm	View 
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		

180° Peel Adhesion	51 oz/in	View 
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		

Tensile Strength (lb/in)	21 lb/in	View 
Test Method: ASTM D3759		

Elongation at Break (%)	9 %	View 
Test Method: ASTM D3759		

Long Term Temperature Resistance	127 °C	
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Minimum Long Term Temperature Resistance	-40 °C	
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Long Term Temperature Resistance	260 °F	
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Minimum Long Term Temperature Resistance	-40 °F	
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Available Sizes

Property	Values	Additional Information
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Standard Roll Length 45.7 m

Standard Roll Length 50 yd

Certifications/Standards

- UL723 Classified (10/10 Flame/Smoke Rating) [UL file #R10984]
- CAN/ULC S102 Classification Flame and Smoke Rating (10/10)
- U.S. Coast Guard Approved (CGA #164.112/1121/WCL MED 0287)

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

3M
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Trademarks

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

Handling/Application Information

Application Examples

- Fibrous ductboard, sheet metal ducts and blankets
- Applications requiring flexibility and good temperature performance
- General purpose foil tape for a variety of applications

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/p/d/b40067914/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=1520CW

Family Group

Link Tags:

• 1520CW

Products	Backing	Adhesive Type	Liner	Color	Backing Thickness (mm)	Total Tape Thickness (mm)	Tensile Strength	Long Term Temperature Resistance	Minimum Long Term Temperature Resistance

1520CW	Aluminum Foil	Acrylic	Release Liner	Natural Aluminum	0.05 mm	0.08 mm	36.8 N/cm	260 °F	-40 °C
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ISO Statement

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

Information

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