

Technical Data Sheet

3M™ Venture Tape™ UL181B Aluminum Foil Tape 1580-P

Product Description

3M™ Venture Tape™ UL181B Aluminum Foil Tape 1580-P is a UL printed aluminum foil tape coated with a heavy coating of mastic adhesive.

Product Features

- Provides an instant water resistant bond on most surfaces including sheet metal, duct board, flex duct, and duct wrap vapor barriers
- Provides superior performance and durability over a wide range of environmental conditions
- Excels in high humidity conditions
- 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

Property	Values	Additional Information
Backing	Red UL Printed Aluminum Foil	
Adhesive Type	Mastic	
Liner	Release Liner	
Color	Natural Aluminum	
Backing Thickness (mm)	0.05 mm	View ^
Test Method: ASTM D3652		
Total Tape Thickness (mil)	14 mil	View ^
Test Method: ASTM D3652		
Total Tape Thickness (mm)	0.36 mm	View ^

Test Method: ASTM D3652

Backing Thickness	1.95 mil	View ^
Test Method: ASTM D3652		

Typical Performance Characteristics

Property	Values	Additional Information
Tensile Strength	38.5 N/cm	View ^

Test Method: ASTM D3759

180° Peel Adhesion	8.9 N/cm	View ^
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		
180° Peel Adhesion	81 oz/in	View ^

Test Method: ASTM D3330

Notes: 12 in/min (300 mm/min)

Tensile Strength (lb/in)	22 lb/in	View ^
Test Method: ASTM D3759		
Elongation at Break (%)	9 %	View ^

Test Method: ASTM D3759

Long Term Temp C	93 °C	View ^
Test Condition: Long Term (day, weeks)		
Minimum Long Term Temperature Resistance	-40 °C	

Long Term Temp F	200 °F	View ^
Test Condition: Long Term (day, weeks)		
Minimum Long Term Temperature Resistance	-40 °F	

Available Sizes

Property	Values	Additional Information
Standard Roll Length	30.4 m	
Standard Roll Length	100 ft	

Certifications/Standards

UL 181B-FX [UL file MH16587]

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 is a trademark of 3M Company.

Handling/Application Information

Application Examples

- Applications requiring water resistant bonding
- Facing on fibrous, flex dect and sheet metal ductwork
- Duct wrap vapor barriers

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/p/d/b40067915/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=1580-P

Family Group

Link Tags:

- 1580-P

Products	Backing	Liner	Color	Tensile Strength	Long Term Temp C
1580-P	Red UL Printed Aluminum Foil	Release Liner	Natural Aluminum	38.5 N/cm	93 °C

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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