

March, 2011

3M™ Aluminum Foil Tape 3380

Product Description

3M™ Aluminum Foil Tape 3380 is a general purpose aluminum foil tape offering an annealed aluminum foil backing combined with an acrylic pressure sensitive adhesive having an easy release PE coated Kraft liner.

Product Features

- General purpose foil tape
- The low water vapor transmission rate makes these tapes a good sealant
- Low flammability – 3M™ Aluminum Foil Tape 3380 is UL 723 approved (File R7311)
- 3M™ Aluminum Foil Tape 3380 is US Coast Guard approved (CGA #164.112/63/0)
- Best adhesion results attained when applied to clean, dry surfaces above 32°F (0°C).



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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		Method
Color	Silver		
Total Tape Thickness	0.08 mm	3.25 mil	ASTM D3652
Backing Thickness	0.05 mm	2 mil	ASTM D3652
Backing	Aluminum Foil		
Adhesive	Acrylic		
Liner	PE coated Kraft Liner		
Liner Thickness	0.08 mm	3.1 mil	ASTM D3652

Typical Performance Characteristics

Property	Values		Method	Dwell/Cure Time	Substrate	Notes
180° Peel Adhesion	4.3 N/cm	40 oz/in	ASTM D3330	Initial	Stainless Steel	12 in/min (300 mm/min)
Tensile Strength	17.5 N/cm	10 lb/in	ASTM D3759			
Elongation at Break	4 %		ASTM D3759			

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Typical Performance Characteristics (continued)

Property	Values		Method	Dwell/Cure Time	Substrate	Notes
Temperature Use Range	84 to 127 °C	-30 to 260 °F				

Handling/Application Information

Application Ideas

- General use aluminum foil tape
- Light reflecting
- Heat shielding
- Moisture barrier
- Thermal conducting

Storage and Shelf Life

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% relative humidity in the original packaging material.

To obtain best performance, use this product within 24 months from date of manufacture.

Industry Specifications

UL 723 (File R7311)

US Coast Guard approved (CGA #164.112/63/0)

Trademarks

3M is a trademark of 3M Company.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/company-us/all-3m-products/~//3M-Aluminum-Foil-Tape-3380?N=5002385+3293191633&rt=rud

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References (continued)

Property	Values
Safety Data Sheet (SDS)	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=3380

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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Information

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