

June, 2010

3M™ Preservation Sealing Tape 481

Product Description

3M™ Preservation Sealing Tape 481 has a unique rubber adhesive that provides excellent performance as an industrial and military preservation tape.

Product Features

- Conforms to many irregular surfaces and has excellent stain resistance.
- Effective for many outdoor applications in hot and cold weather over two years with quick, clean removal. Can be certified to Military Specification: SAE-AMS-T-22085 Type II.
- Polyethylene backing provides good conformability to many surfaces.
- Excellent stain resistance to a variety of surfaces.



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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	Black		
Total Tape Thickness	0.24 mm	9.5 mil	ASTM D3652
Backing Thickness	0.18 mm	7.5 mil	ASTM D3652
Backing	Polyethylene		
Adhesive	Rubber		
Water Vapor Transmission Rate	1.7 g/m ² /24 hr	0.11 g/100 in ² /24 hr	ASTM D3833

Typical Performance Characteristics

Property	Values		Method	Substrate
Peel Adhesion	2.8 N/cm	25 oz/in	ASTM D3330	Stainless Steel
Tensile Strength	26.3 N/cm	240 oz/in	ASTM D3759	
Elongation at Break	500 %		ASTM D3759	
Temperature Use Range	-7 to 77 °C	20 to 170 °F		

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Available Sizes

Property	Values	
Standard Roll Length	33 m	36 yd

Handling/Application Information

Application Ideas

- Seals and protects various types of equipment to be stored by military and industry.
- Splicing and patching materials used by the construction industry.

Application Techniques

- Best results are attained when applied to a clean, dry surface at temperatures between 60° to 80°F (16° to 27°C).

Storage and Shelf Life

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton. To obtain best performance, use this product within 24 months from date of manufacture.

Industry Specifications

Military Specification: SAE-AMS-T-22085 Type II

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-Preservation-Sealing-Tape-481?N=5002385+3292908588&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=481

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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3M United States
3M Center
St. Paul, MN 55144-1000
800-362-3550
www.3M.com

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