



# 3M™ Preservation Sealing Tape 481

Last Revision Date: June, 2010

## 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.

## 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	Polyethylene	
Adhesive Type	Rubber	
Color	Black	
Backing Thickness	0.18 mm (7.5 mil)	View 
Test Method: ASTM D3652		
Total Tape Thickness	9.5 mil (0.24 mm)	View 
Test Method: ASTM D3652		
Total Tape Thickness	0.24 mm	View 
Test Method: ASTM D3652		

Backing Thickness	7.5 mil	<a href="#">View</a> 
Test Method: ASTM D3652		
Water Vapor Transmission	1.7 g/m <sup>2</sup> /24 hr (0.11 g/100 in <sup>2</sup> /24 hr)	<a href="#">View</a> 
Test Method: ASTM D3833		
Water Vapor Transmission	0.11 g/100 in <sup>2</sup> /24 hr	<a href="#">View</a> 
Test Method: ASTM D3833		

## Typical Performance Characteristics

Property	Values	Additional Information
Tensile Strength	26.3 N/cm (240 oz/in)	<a href="#">View</a> 
Test Method: ASTM D3759		
180° Peel Adhesion	2.8 N/cm (25 oz/in)	<a href="#">View</a> 
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		
180° Peel Adhesion	25 oz/in	<a href="#">View</a> 
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		
Tensile Strength	240 oz/in	<a href="#">View</a> 
Test Method: ASTM D3759		
Elongation at Break	500 %	<a href="#">View</a> 
Test Method: ASTM D3759		
Long Term Temperature Resistance	77 °C (170 °F)	
Minimum Long Term Temperature Resistance	-7 °C (20 °F)	
Long Term Temperature Resistance	170 °F	
Minimum Long Term Temperature Resistance	20 °F	

## Available Sizes

Property	Values	Additional Information
Standard Roll Length	33 m (36 yd)	
Standard Roll Length	36 yd	

## 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

## Bottom Matter

3M  
Industrial Adhesives and Tapes Division  
3M Center, Building 225-3S-06  
St. Paul, MN 55144-1000  
800-362-3550 • 877-369-2923 (Fax)  
www.3M.com

## Trademarks

3M is a trademark of 3M Company.

## Handling/Application Information

### Application Examples

- 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).

## References

Property	Values
3m.com Product Page	<a href="https://www.3m.com/3M/en_US/company-us/all-3m-products/~-/3M-Preservation-Sealing-Tape-481/?N=5002385+3292908588&amp;rt=rud">https://www.3m.com/3M/en_US/company-us/all-3m-products/~-/3M-Preservation-Sealing-Tape-481/?N=5002385+3292908588&amp;rt=rud</a>
Safety Data Sheet SDS	<a href="https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&amp;msdsLocale=en_US&amp;co=ptn&amp;q=481">https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&amp;msdsLocale=en_US&amp;co=ptn&amp;q=481</a>

## 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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