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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 (mm)	0.18 mm	View
Test Method: ASTM D3652		
Total Tape Thickness (mil)	9.5 mil	View
Test Method: ASTM D3652		
Total Tape Thickness (mm)	0.24 mm	View
Test Method: ASTM D3652		

Backing Thickness	7.5 mil	View 
Test Method: ASTM D3652		
Water Vapor Transmission	1.7 g/m ² /24 hr	View 
Test Method: ASTM D3833		
Water Vapor Transmission	0.11 g/100 in ² /24 hr	View 
Test Method: ASTM D3833		

Typical Performance Characteristics

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

Available Sizes

Property	Values	Additional Information
Standard Roll Length	33 m	
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

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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	https://www.3m.com/3M/en_US/p/d/b40068333/
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

Family Group

Link Tags:

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Products	Backing	Adhesive Type	Color	Backing Thickness (mm)	Total Tape Thickness (mm)	Tensile Strength	Long Term Temperature Resistance	Minimum Long Term Temperature Resistance
481	Polyethylene	Rubber	Black	0.18 mm	0.24 mm	26.3 N/cm	170 °F	-7 °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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