



Technical Data Sheet

3M™ Preservation Sealing Tape 481



[Product Details](#)



[Regulatory Info/SDS](#)

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

Attribute Name	Test Method	Value
Color		Black
Adhesive Type		Rubber
Backing		Polyethylene
Backing Thickness	ASTM D3652	0.18 mm (7.5 mil)
Total Tape Thickness	ASTM D3652	0.24 mm (9.5 mil)
Water Vapor Transmission	ASTM D3833	1.7 g/m ² /24 h (0.11 g/100 in ² /24 h)

Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	23 °C (73 °F)	2.8 N/cm (25 oz/in) ¹
Elongation at Break	ASTM D3759		500 %
Tensile Strength	ASTM D3759		26.3 N/cm (15 lb/in)
Long Term Temperature Resistance			77 °C (170 °F) ²
Minimum Long Term Temperature Resistance			-7 °C (20 °F) ²

¹ 304 mm/min (12 in/min)

² Long Term (day, weeks)

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).

Industry Specifications

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

Storage and Shelf Life

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 24 months from date of manufacture.

Available Sizes

Attribute Name	Value
Standard Roll Length	33 m (36 yd)

Information

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ISO Statement

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

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