

3M

Polyethylene Tape

483

Technical Data

Product Description 3M™ Polyethylene Tape 483 has a backing with a rubber adhesive for many general purpose applications.

Product Construction	Backing	Adhesive	Color	Standard Roll Length
	Polyethylene	Rubber	Transparent, red, blue, white, black, green, yellow	36 yds. (33 m)

Typical Physical Properties **Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.**

		ASTM Test Method
Adhesion to Steel:	12 oz./in. width (13 N/100 mm)	D-3330
Tensile Strength:	11 lbs./in. width (190 N/100 mm)	D-3759
Elongation at Break:	240%	D-3759
Backing Thickness:	3.9 mils (0.10 mm)	D-3652
Total Tape Thickness:	5.3 mils (0.13 mm)	D-3652
Temperature Use Range:	Up to 170°F (77°C)	

Features

- Low sulfur and halogen content.
- Tape stretches easily and is highly conformable.
- Polyethylene backing provides good solvent resistance properties.
- Remains flexible to -20°F (-29°C).

Note: Should not be exposed to temperatures which exceed 170°F (77°C). Exposure to such temperatures may result in softening of backing.

- Vivid colors and smooth backing provide excellent glossy appearance.
- Best results are attained when applied to a clean, dry surface at temperatures between 60° to 80°F (16° to 27°C).

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Application Ideas

- General sealing of containers.
- Electroplating and P.C. board masking.
- Silicone chip holding.
- Decorative, safety marking and color coding.
- Nuclear power plant construction and maintenance – (because of low chloride and halogen content).
- Outdoor applications (black colored tape only).

Storage

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton.

Shelf Life

To obtain best performance, use this product within 18 months from date of manufacture.

Product Use

All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

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ISO 9001:2000

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.

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