

3M

Vinyl Tape

4731

Technical Data

Product Description 3M™ Vinyl Tape 4731 is a pigmented vinyl backing with a rubber adhesive used for electroplating, paint masking and many other general purpose applications.

Product Construction	Backing	Adhesive	Color	Standard Roll Length
	Pigmented vinyl	Rubber	Purple	36 yds. (33 m)

Standard Widths Available: Contact your authorized 3M distributor or 3M sales representative.

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:	20 oz./in. width (22 N/100 mm)	D-3330
Tensile Strength at Break:	17 lbs./in. width (300 N/100 mm)	D-3759
Elongation at Break:	230%	D-3759
Backing Thickness:	5.8 mils (0.15 mm)	D-3652
Tape Thickness:	7.0 mils (0.18 mm)	D-3652
Temperature Use Range:	40° to 170°F (4° to 77°C)	

Features

- Vinyl backing offers excellent abrasion, moisture, alkali, and acid resistance.
- Best results are attained when applied to a clean, dry surface not lower than 40°F (4°C).
- Resists most common solvents, care should be taken to avoid ketones, chlorinated hydrocarbons and esters found in lacquers, thinners, degreasers, paint strippers, etc. which may cause the backing to swell or curl.

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.

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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.

Warranty and Limited Remedy

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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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Industrial Business Industrial Adhesives and Tapes Division

3M Center, Building 21-1W-10, 900 Bush Avenue
St. Paul, MN 55144-1000
800-362-3550 • 877-369-2923 (fax)
www.3M.com/industrial



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