

# 3M

# Vinyl Tape

## 4731

Technical Data

February, 2011

### Product Description

3M™ Vinyl Tape 4731 is comprised of a conformable vinyl backing with a versatile rubber adhesive. It is available in a variety of colors to accommodate color coding, marking, identifying needs. The vinyl backing is abrasion resistant. The rubber adhesive attaches quickly and securely to many surfaces.

### Product Construction

Backing	Adhesive	Color	Standard Roll Length
Pigmented vinyl	Rubber	Blue, Gray, Orange, Purple, White and Yellow	36 yds. (33 m)

Custom widths and roll lengths 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:	Up to 250°F (121°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 50°F (10°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.
- Conformable around curves and over irregular shapes.
- Vibrant colors.
- Flexibility in roll length and width.

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## Application Ideas

- Color coding, marking, and identifying.
- Industrial masking of flat or irregular surfaces.
- Sand blast or bead blast overspray protection.
- Sealing and protecting.
- General purpose maintenance tape.

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## Storage

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

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## Shelf Life

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

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## Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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## Product Use

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

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**ISO 9001:2008**

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2008 standards.



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