



Vinyl Duct Tape

3903

Technical Data

September, 2003

Product Description 3M™ Vinyl Duct Tape 3903 is a general purpose duct tape made from a hand tearable embossed vinyl backing coated with a rubber adhesive.

Product Construction	Backing	Adhesive	Colors	Standard Roll Length	Standard Roll Widths
Embossed vinyl	Rubber		Black, blue, green, gray, red, white, yellow	50 yds. (45.7 m)	1.97 in. (50 mm) [all colors], 3 in. (76.2 mm) [gray only], 4 in. (101.6 mm) [gray only], 49 in. (1.24 m) [all colors]

Note: For availability on custom widths, contact your local 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 (21 N/100 mm)	D-3330
Tensile Strength:	14 lbs./in. width (245 N/100 mm)	D-3759
Elongation at Break:	150%	D-3759
Tape Thickness:	6.3 mils (0.16 mm)	D-3652
Temperature Use Range:	Up to 250°F (121°C)	
Outdoor Use (UV Resistance):		
Black	Up to 6 months	G90 Cycle 3
Green, red, yellow	Up to 1 month	G90 Cycle 3
Burn Characteristics:		
Flame spread index	5	E-84 (UL 723)
Smoke developed index	0	E-84 (UL 723)
Leachables:		
Halogens and sulfur	< 250 ppm	Mil std. 2041C
Mercury	< 10 ppm	Mil std. 2041C

Features

- Less prone to leave adhesive residue on the surface than conventional cloth duct tapes. Allows for minimal clean-up.
- Even after outdoor exposure, black will hold well for up to six months as is less prone to leave adhesive residue compared to conventional duct tapes. Red, green and yellow colors can be used outdoors up to one month.
- Embossed vinyl backing is easy to tear and conforms well to irregular surfaces. Since it contains no cloth scrim, there are no exposed thread ends to wick water into adhesive layer.
- If the adhesive side of the tape comes in contact with itself, it can be pulled apart so the tape is not wasted.
- Typically used at room temperature, but will remove cleanly when applied to a painted steel surface and heated up to 250°F (121°C) for up to one hour.
- Rubber adhesive sticks well to many substrates.
- Unwinds easily off the roll.

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Application Ideas

- Sealing and protecting surfaces and openings from dust, dirt and moisture.
- Color-coding, non-critical masking, wrapping and bundling.
- Protection from abrasion, temporary repairs and general maintenance activities.
- Applications requiring low flame spread and smoke developed indices.
- Applications requiring low leachable halogens, sulfur and mercury.

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 12 months from date of manufacture.

For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550 or visit www.3M.com/industrialtape. Address correspondence to: 3M Industrial Adhesives and Tapes Division, Building 21-1W-10, 900 Bush Avenue, St. Paul, MN 55144-1000. Our fax number is 651-778-4244. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.

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



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