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3M

Vinyl Tape

472

Technical Data

February, 2011

Product Description 3M™ Vinyl Tape 472 is comprised of a heavy duty black vinyl backing with a black pigmented rubber adhesive. The thick vinyl backing makes it ideal for applications requiring both abrasion resistance and the inherent conformability of vinyl. The rubber adhesive has good instant adhesion and sticks well to a variety of surfaces.

Product Construction	Backing	Adhesive	Color	Standard Roll Length
	Vinyl	Pigmented rubber	Black	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:	23 oz./in. width (25 N/100 mm)	D-3330
Tensile Strength at Break:	32 lbs./in. width (560 N/100 mm)	D-3759
Elongation at Break:	270%	D-3759
Backing Thickness:	9.0 mils (0.23 mm)	D-3652
Total Tape Thickness:	10.4 mils (0.26 mm)	D-3652
Temperature Use Range:	Up to 225°F (107°C)	

Features

- Best results are attained when applied to clean, dry surface at temperatures between 60° to 80°F (16° to 27°C).
- Thick backing is ideal where heavy abrasion is anticipated.
- Temperature resistance to 225°F (107°C).
- Pigmented adhesive will stain some surfaces. Testing by the user is recommended to determine suitability in the proposed application.
- Resists most common solvents, care should be taken to avoid ketones, chlorinated hydrocarbons, and esters, found in lacquer thinners, degreasers, paint strippers, etc. which may cause the backing to swell or curl.
- Can be used in outdoor applications with clean removal from many surfaces up to 6 months.
- Stays on outdoors for up to a year.

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Application Ideas

- Heavy duty protection and abrasion resistance.
- Splicing and patching.
- Outdoor sealing, protecting, and marking.
- Dissimilar metal separation.
- Sealing barrier films and containers.
- Sand blast and bead blast overspray protection.

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.

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.

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



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