

February, 2011

3M™ Vinyl Tape 472

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 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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Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Typical Physical Properties

Property	Values		Method
Color	Black		
Total Tape Thickness	0.26 mm	10.4 mil	ASTM D3652
Backing Thickness	0.23 mm	9 mil	ASTM D3652
Backing	Vinyl		
Adhesive Type	Rubber		

Typical Performance Characteristics

Property	Values		Method	Notes
180° Peel Adhesion	2.5 N/cm	23 oz/in	ASTM D3330	12 in/min (300 mm/min)
Tensile Strength	56 N/cm	512 oz/in	ASTM D3759	
Elongation at Break	270 %		ASTM D3759	
Temperature Use Range	Up to 107 °C	Up to 225 °F		

Available Sizes

Property	Values	
Standard Roll Length	33 m	36 yd

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Handling/Application Information

Application Examples

- 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 and Shelf Life

Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% R.H. in the original carton. To obtain best performance, use this product within 18 months from date of manufacture.

Trademarks

3M is a trademark of 3M Company.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/company-us/all-3m-products/~3M-Vinyl-Tape-472?N=5002385+3293242248&rt=rud
Safety Data Sheet (SDS)	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=472

ISO Statement

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

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Information

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