



Technical Data Sheet

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.

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
Additional Information
Backing
Vinyl
Adhesive Type
Rubber
Color
Black
Backing Thickness (mm)
0.23 mm
View 
Test Method: ASTM D3652

Total Tape Thickness (mil)
10.4 mil
View 

Test Method: ASTM D3652

Total Tape Thickness (mm)
0.26 mm
View 
Test Method: ASTM D3652

Backing Thickness
9 mil
View 


Test Method: ASTM D3652

Typical Performance Characteristics

Property
Values
Additional Information

Tensile Strength
56 N/cm
View 


Test Method: ASTM D3759

180° Peel Adhesion
2.5 N/cm
View 


Test Method: ASTM D3330
Notes: 12 in/min (300 mm/min)

180° Peel Adhesion
23 oz/in
View 

Test Method: ASTM D3330
Notes: 12 in/min (300 mm/min)

Tensile Strength
512 oz/in
View 

Test Method: ASTM D3759

Elongation at Break (%)
270 %
View 
Test Method: ASTM D3759

Long Term Temperature Resistance
107 °C

Long Term Temperature Resistance
225 °F

Available Sizes

Property
Values
Additional Information
Standard Roll Length
33 m
Standard Roll Length
36 yd

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.

Bottom Matter

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Trademarks

3M is a trademark of 3M Company.

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.

References

Property Values
3m.com Product Page https://www.3m.com/3M/en_US/p/d/b40070579/
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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