



Technical Data Sheet

3M™ Vinyl Tape 471+

Product Description

3M™ Vinyl Tape 471+ is a conformable vinyl tape with a versatile rubber adhesive. The moderately translucent backing allows for accurate alignment in simple or complex patterns.

Product Features

- Produces a sharp, clean paint line for color separation.
- Narrow width availability and conformability allow 3M tape 471+ to define intricate patterns.
- Resists lifting from depressed areas or on irregular surfaces
- Withstands a bake cycle of 250°F (121°C) for 30 minutes and removes cleanly.
- Rubber adhesives adheres well to many surfaces.
- Vinyl backing is abrasion resistant.
- Moderately translucent backing allows proper alignment.
- Strong backing allows one piece removal.

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

| Attribute Name | Test Method | Value |
|----------------------|-------------|---------|
| Color | | Indigo |
| Adhesive Type | | Rubber |
| Backing | | Vinyl |
| Total Tape Thickness | ASTM D3652 | 0.13 mm |

Typical Performance Characteristics

| Attribute Name | Test Method | Temperature | Value |
|----------------------------------|-------------|-------------|-----------------------|
| 180° Peel Adhesion | ASTM D3330 | 22 °C | 3.8 N/cm ¹ |
| Elongation at Break | ASTM D3759 | | 191 % |
| Tensile Strength | ASTM D3759 | | 24.5 N/cm |
| Long Term Temperature Resistance | | | 121 °C ² |

¹ 12 in/min (300 mm/min)

² Long Term (day, weeks)

Handling/Application Information

Application Examples

- Use for paint masking where a clean, sharp paint line is needed and temperature does not exceed 250°F (121°C). Applications could include truck, bus, aerospace, and heavy equipment painting as well as automotive collision repair.
- Backing conformability, moderate translucence and good adhesion are useful where complex patterns are being outlined such as RV manufacture and custom motorcycle and automotive shops.
- Use to protect adjacent surfaces in sanding operations.
- Use for abrasion resistance, sealing, color coding, and general purpose applications.

Storage and Shelf Life

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 18 months from date of manufacture.

Available Sizes

| Attribute Name | Value |
|-----------------------|--------------|
| Standard Roll Length | 32.9 m |

Information

Precautionary Information: Refer to product label and Material Safety Data Sheet for health and safety information before using the product. For information, please contact your local 3M Office. You can click or scan QR code to see contact detail or visit www.3M.com Important Information: 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 or application. All questions of liability relating to this product are governed by the terms of the sale subject, where applicable, to the prevailing law. Values presented have been determined by standard test methods and are average values not to be used for specification purposes. Our recommendations on the use of our products are based on tests believed to be reliable but we would ask that you conduct your own tests to determine their suitability for your applications. This is because 3M cannot accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations.

ISO Statement

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

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