



# Technical Data Sheet

3M™ Vinyl Tape 471+



[Product Details](#)

## 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 (5.3 mil)

## Typical Performance Characteristics

Attribute Name	Test Method	Temperature	Value
180° Peel Adhesion	ASTM D3330	23 °C (73 °F)	3.8 N/cm (35 oz/in) <sup>1</sup>
Elongation at Break	ASTM D3759		191 %
Tensile Strength	ASTM D3759		24.5 N/cm (14 lb/in)
Long Term Temperature Resistance			121 °C (250 °F) <sup>2</sup>

<sup>1</sup> 304 mm/min (12 in/min)

<sup>2</sup> 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 (36 yd)

Information

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ISO Statement

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

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