

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

Property	Values	Additional Information
Backing	Vinyl	
Adhesive Type	Rubber	
Color	Indigo	
Total Tape Thickness (mil)	5.3 mil	View 
Test Method: ASTM D3652		
Total Tape Thickness (mm)	0.13 mm	View 
Test Method: ASTM D3652		

Typical Performance Characteristics

Property	Values	Additional Information
Tensile Strength	24.5 N/cm	View 
Test Method: ASTM D3759		
180° Peel Adhesion	3.8 N/cm	View 
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		
180° Peel Adhesion	35 oz/in	View 
Test Method: ASTM D3330		
Notes: 12 in/min (300 mm/min)		
Tensile Strength	224 oz/in	View 
Test Method: ASTM D3759		
Elongation at Break (%)	191 %	View 
Test Method: ASTM D3759		
Long Term Temp C	121 °C	View 
Test Condition: Long Term (day, weeks)		
Long Term Temp F	250 °F	View 
Test Condition: Long Term (day, weeks)		

Available Sizes

Property	Values	Additional Information
Standard Roll Length	32.9 m	
Standard Roll Length	36 yd	

Storage and Shelf Life

Store under normal conditions of 70°F (21°C) and 50% R.H. in the original carton.
To obtain best performance, use 3M™ Vinyl Tape 471+ within 18 months from date of manufacture.

Bottom Matter

3M
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Trademarks

3M is a trademark of 3M Company.

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.

References

Property	Values
3m.com Product Page	https://www.3m.com/3M/en_US/p/d/b40070572/
Safety Data Sheet SDS	https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=471+

Family Group

Link Tags:

• 471+

Products	Backing	Adhesive Type	Color	Total Tape Thickness (mm)	Tensile Strength	Long Term Temp	
						C	F
471+	Vinyl	Rubber	Indigo	0.13 mm	24.5 N/cm	121 °C	250 °F

ISO Statement

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

Information

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