

## 3M™ Vinyl and Polyethylene Tapes

### Mark, identify, color-code, seal seams, and more

These rugged tapes adhere aggressively and remove cleanly from most surfaces for a wide variety of applications in Automotive, MRO (Maintenance and Repair), Construction, Marine, Commercial Vehicle, and other industries.

Applications include marking hazards and aisles, color-code piping, fine line paint masking, decorative trim, high visibility splicing, and more.

- “Color throughout” construction resists scrapes, wear, weathering, and chemicals
- Wide variety of colors plus transparent
- Flexible backing with aggressive adhesive bonds, conforms, and seals even with irregular surfaces
- Removes cleanly without leaving adhesive behind to clean up
- Stretches to mold to contours



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3M™ Vinyl Tapes clearly mark lanes, corridors and hazardous or no-go areas in factories, warehouses, and hospitals. Durable vinyl backing resists abrasion, scuffing, moisture, weathering, acids, and alkaline chemicals for long service life.



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Red 3M™ Vinyl Tape immediately identifies fire protection equipment and apparatus, including fire extinguishers, alarm boxes, and blanket boxes.



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For color-coding pipes with 3M™ Vinyl Tapes, select from either nine vivid colors or transparent to let underlying color show through. Backing is colored throughout to help maintain ready visibility.



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For fine line paint masking, 3M™ Vinyl Tape 471 provides sharp paint lines and the clean removal of a firm rubber adhesive.



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To highlight low hanging objects, protruding equipment, or steps, 3M™ Vinyl Tape 5702 combines yellow and black for a striped combination that calls for attention.



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Orange 3M™ Vinyl Tape identifies dangerous machine parts that may cause injury when enclosure doors are open or guards removed.



3M™ Polyethylene Tape 483 (Black) provides conformability, UV resistance, and clean removal for sealing end caps on metal pipes stored outdoors at a nuclear power facility.



3M™ Vinyl Tape 471 conforms to seal riveted seams. The flexible backing shapes itself to the bumps and edges, and the rubber adhesive holds securely to the metal.



With only the pressure of a 3M™ PA-1 Wiper, 3M™ Vinyl Tapes stick on contact to just about any surface for fast application with no dripping, drying, or cleanup.

## Product Information:

Product/Color	Tape Structure (Backing/Adhesive)	Backing Thickness mils (mm)	Total Thickness mils (mm)	Adhesion to Steel oz./in. (N/100 mm)	Tensile Strength lbs./in. (N/100 mm)	Elongation at Break %	Temperature Range °F (°C)	Comments
ASTM Test Method: D-3652		D-3652	D-3330	D-3759	D-3759			
<b>Premium Performance Vinyl Tapes</b>								
471/Various	Vinyl/Rubber	4.1 (0.10)	5.2 (0.13)	23 (25)	16 (280)	130	40 to 170°F (4 to 77°C)	Conformable and clean removal. Black, Blue, Brown, Green, Orange, Purple, Red, Transparent, White, Yellow.
471+/Indigo	Vinyl/Rubber	4.1 (0.10)	5.3 (0.13)	35 (38)	14 (243)	191	Up to 250°F (121°C)	Superior conformability, sharp paint line, clean removal.
4712/Various	Vinyl/Rubber	4.1 (0.10)	5.2 (0.13)	34 (37)	16 (280)	190	40 to 170°F (4 to 77°C)	Lined version of 471. 42# premium paper liner.
472/Black	Vinyl/Rubber	9.0 (0.23)	10.4 (0.26)	23 (25)	32 (560)	270	Up to 225°F (107°C)	Abrasion resistant. High temperature resistant.
477/Transparent	Vinyl/Rubber	6.0 (0.15)	7.2 (0.18)	24 (26)	24 (420)	230	40 to 170°F (4 to 77°C)	Abrasion resistant.
4731/Various	Vinyl/Rubber	6.0 (0.15)	7.0 (0.18)	20 (22)	18 (315)	245	40 to 170°F (4 to 77°C)	Electroplating.
<b>General Purpose Vinyl Tapes</b>								
764/Various	Vinyl/Rubber	4.0 (0.10)	5.0 (0.125)	18 (21)	13 (228)	180	60 to 85°F (15 to 27°C)	Non-critical applications. Black, Blue, Brown, Gray, Green, Orange, Purple, Red, Transparent, White, Yellow.
<b>Hazard Identification Tapes — Premium Performance Permanent</b>								
5700/Black and White Stripes	Vinyl/Rubber	4.2 (0.11)	5.5 (0.14)	19 (21)	15 (260)	170	40 to 170°F (4 to 77°C)	Adhesive side printing. Critical applications.
5702/Black and Yellow Stripes	Vinyl/Rubber	4.2 (0.11)	5.4 (0.14)	19 (21)	15 (260)	170	40 to 170°F (4 to 77°C)	Adhesive side printing. Critical applications.
<b>Hazard Identification Tapes — General Performance Temporary</b>								
766/Black and Yellow Stripes	Vinyl/Rubber	4.0 (0.10)	5.0 (0.125)	18 (21)	13 (228)	180	60 to 85°F (15 to 27°C)	Non-critical applications.
767/Red and White Stripes	Vinyl/Rubber	4.0 (0.10)	5.0 (0.125)	18 (21)	13 (228)	180	60 to 85°F (15 to 27°C)	Non-critical applications.
<b>Electroplating and Anodizing</b>								
470/Tan	Vinyl/Rubber	6.3 (0.16)	7.1 (0.18)	26 (28)	20 (350)	180	Up to 170°F (77°C)	Chemical resistance. <sup>1</sup>
484/Tan	Vinyl/Rubber	5.7 (0.14)	7.2 (0.18)	20 (22)	20 (350)	220	Up to 170°F (77°C)	Lower adhesion than 470 Tape.

<b>Polyethylene Tapes</b>								
480/Transparent	Polyethylene/Acrylic	3.8 (0.10)	5.1 (0.13)	22 (24)	10 (180)	277	20 to 170°F (-7 to 77°C)	Acrylic adhesive.
481/Black	Polyethylene/Rubber	7.7 (0.20)	9.8 (0.25)	32 (35)	15 (260)	510	20 to 170°F (-7 to 77°C)	Preservation sealing tape. <sup>2</sup>
4811/White	Polyethylene/Rubber	7.5 (0.18)	9.5 (0.24)	30 (36)	15 (260)	490	Up to 170°F (77°C)	Preservation sealing tape.
483/Various	Polyethylene/Rubber	3.9 (0.10)	5.3 (0.13)	12 (13)	11 (190)	240	Up to 170°F (77°C)	Black, Blue, Green, Red, Transparent, White, Yellow

<sup>1</sup> HH-T-0025, Amend 2 <sup>2</sup> MIL-T-22085 Amend 3, Type IV

Note: This technical information and data should be considered representative or typical only and should not be used for specification purposes.