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 coding of pipes, 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 on irregular surfaces

- Removes cleanly without leaving adhesive behind to clean up

- Stretches to mold to contours

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.

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

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.

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.

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

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

3M™ Vinyl Tapes

Product Number	Color	Adhesive Type	Backing Material	Backing Thickness mils (mm)	Total Thickness mils (mm)	Adhesion to Steel oz./in. (N/100 mm)	Tensile Strength lb./in. (N/100 mm)	Elongation at Break %	Temperature Range °F (°C)	Comments
Premium Performance Vinyl Tapes										
471	Various	Rubber	Vinyl	4.1 (0.10)	5.2 (0.13)	26 (28)	14 (270)	150	40 to 170 (4 to 77)	Conformable and clean removal. Black, Blue, Brown, Green, Orange, Purple, Red, Transparent, White, Yellow. MIL-STD 2041D (SH).
4712	Various	Rubber	Vinyl	4.1 (0.10)	5.2 (0.13)	23 (25)	14 (270)	150	40 to 170 (4 to 77)	Linered version of 471 tape. MIL-STD 2041D (SH). Colors same as 471.
471+	Indigo	Rubber	Vinyl	4.1 (0.10)	5.3 (0.13)	35 (38.3)	13.9 (243)	191	Up to 250 (Up to 121)	Superior conformability, sharp paint lines, clean removal.
472	Black	Rubber	Vinyl	9.0 (0.23)	10.4 (0.26)	23 (25)	32 (560)	270	Up to 225 (Up to 107)	Abrasion and high temperature resistant.
477	Transparent	Rubber	Vinyl	6.0 (0.15)	7.2 (0.18)	24 (26)	24 (420)	230	40 to 170 (4 to 77)	Abrasion resistant.
General Purpose Vinyl Tapes										
764	Various	Rubber	Vinyl	4.1 (0.10)	5.0 (0.13)	18 (21)	13 (228)	180	60 to 85 (15 to 27)	Non-critical applications. Black, Blue, Brown, Gray, Green, Orange, Purple, Red, Transparent, White, Yellow.
Safety Stripe Tapes										
5700	Black/White	Rubber	Vinyl	4.2 (0.11)	5.5 (0.14)	19 (21)	15 (260)	170	40 to 170 (4 to 77)	Critical applications. Adhesive side printing for long-life.
5702	Black/Yellow	Rubber	Vinyl	4.2 (0.11)	5.5 (0.14)	19 (21)	15 (260)	170	40 to 170 (4 to 77)	Critical applications. Adhesive side printing for long-life.
766	Black/Yellow	Rubber	Vinyl	4.1 (0.10)	5.0 (0.13)	18 (21)	13 (228)	180	60 to 85 (15 to 27)	Non-critical marking applications.
767	Red/White	Rubber	Vinyl	4.1 (0.10)	5.0 (0.13)	18 (21)	13 (228)	180	60 to 85 (15 to 27)	Non-critical marking applications.
Electroplating and Anodizing Tapes										
470	Tan	Rubber	Vinyl	6.3 (0.16)	7.1 (0.18)	37 (40)	20 (350)	180	Up to 170 (Up to 77)	Conformable and abrasion resistant for masking various surfaces during electroplating and anodizing.
484	Tan	Rubber	Vinyl	5.6 (0.14)	6.7 (0.17)	22 (24)	23 (402)	220	Up to 170 (Up to 77)	Lower adhesion than 470 tape.
4731	Various	Rubber	Vinyl	5.8 (0.15)	7.0 (0.18)	20 (22)	17 (300)	230	40 to 170 (4 to 77)	Electroplating. Blue, Gray, Orange, Purple, White, Yellow.

3M™ Polyethylene Tapes

Product Number	Color	Adhesive Type	Backing Material	Backing Thickness mils (mm)	Total Thickness mils (mm)	Adhesion to Steel oz./in. (N/100 mm)	Tensile Strength lb./in. (N/100 mm)	Elongation at Break %	Temperature Range °F (°C)	Comments
Polyethylene Tapes										
480	Transparent	Acrylic	Polyethylene	4.0 (0.10)	5.1 (0.13)	22 (24)	12 (210)	520	20 to 170 (-7 to 76)	Acrylic adhesive.
483	Various	Rubber	Polyethylene	3.9 (0.10)	5.0 (0.13)	18 (21)	10 (175)	300	Up to 170 (Up to 77)	Available in Black, Blue, Green, Red, Transparent, White and Yellow. MIL-STD 2041D (SH).

3M™ Preservation Tapes

Product Number	Color	Adhesive Type	Backing Material	Backing Thickness mils (mm)	Total Thickness mils	Adhesion to Steel oz./in. (N/100 mm)	Tensile Strength lb./in. (N/100 mm)	Elongation at Break %	Temperature Range °F (°C)	Comments
481	Black	Rubber	Polyethylene	7.7 (0.20)	9.8	25 (28)	15 (260)	510	20 to 170 (-7 to 76)	Preservation sealing tape. MIL-T-22085 Amend 3, Type IV. Clean removal up to 2 years.
4811	White	Rubber	Polyethylene	7.5 (0.18)	9.5	30 (36)	15 (260)	490	Up to 170 (Up to 77)	Preservation sealing tape. Clean removal up to 1 year.

Note: The technical information and data on these pages should be considered representative or typical only and should not be used for specification purposes.

Specialty Tapes