

3M Tapes

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In the early 1940s, vinyl plastic emerged as a highly versatile material for a wide range of applications, from shower curtains to cable insulation. Making it work for tape, however, was a different story. A major ingredient in vinyl film was tricresyl phosphate (TCP), which was used as a plasticizer. Unfortunately, TCP tended to migrate, giving the surface of the vinyl film an oily quality and degrading every tape adhesive known.

Research chemists and engineers at 3M set out to create a dependable, pressure-sensitive tape made of vinyl film that would have the required electrical, physical and chemical properties. Experiments were conducted combining new plasticizers with the white, flour-like vinyl resin. Finally, in January 1946, inventors Snell, Oace, and Eastwood of 3M applied for a patent for a vinyl electrical tape with a plasticizer system and non-sulfur-based rubber adhesive that were compatible.

The first commercially available version of the tape was sold for use as a wire-harness wrapping. Interestingly, this original black tape wasn't black at all. The first 3M tape sold was yellow, and later versions were white. White tape, because of its instability in ultraviolet light, was eventually replaced with black tape, although colored vinyl tapes are still used as identification and marking tapes. Black became the standard industry color for vinyl tape, primarily because of its ultraviolet resistance. Thicknesses originally were 4-mil, 8-mil and 12-mil. These were standardized to 7-mil, 8.5 mil and 10-mil in 1948.

Taping Tips

Although challenging in its make-up and manufacture, vinyl electrical tape is relatively straightforward in its use. Nevertheless, to ensure the safest, most reliable use, always:

- Apply tape with enough stretch to conform to the objects you're wrapping. Be sure to let the last couple of inches relax before tabbing it down to prevent unwinding (sometimes called "flagging").
- Wrap an irregular mechanical connector, such as a split bolt, with rubber tape to pad sharp edges, before overwrapping it with vinyl electrical tape.
- Wrap cone-shaped (high voltage splices) "uphill" – that is, from the smallest to the largest point. This way you always secure the previous layer.
- Keep fingers close together when tearing tape. The farther apart they are, the more the tape will stretch before it tears.
- Use the right tape for the right conditions. Vinyl tapes are rated for cold-weather application in two classes: 32°F (0°C) and 0°F (-18°C). Tapes formulated for high-temperature environments are typically rated 176°F (80°C) or 220°F (105°C).

Wrapping Tips

Type of Tape	Number of Layers/Application Instructions
Vinyl Electrical Tapes – Jacketing and Mechanical Protection	Always use a minimum of two half-lapped layers. The last layer should be wrapped in a more relaxed manner—let the last wrap relax to prevent the layer from flagging.
Rubber Tapes – Electrical Insulation, Mechanical Padding Water Sealing and Shaping	Wrap tape tightly to achieve the water tight seal. Rubber tapes are typically overwrapped with vinyl tape.
High Voltage Tapes – Insulating and Semi-conductive Layers	Apply outside of roll to the cable, in highly stretched half-lapped layers. Never use a semi-conductive tape as an insulation.
Mastic Compounds – Insulating, Mechanical Padding, Moisture Sealing and Shaping	Mastic compounds are to be overwrapped with vinyl tapes to initiate flow and watertight seal. Do not apply excessive amount of mastic to prevent oozing.

Glossary of Taping Terms

Adhesive – The medium that allows the backing to be quickly, positively and efficiently positioned to do its job.

Adhesion to backing – The bond produced by contact between a pressure-sensitive adhesive and the tape backing when one piece of tape is applied to the back of another piece of the same tape.

Backing – The material that performs the tape's desired functions (insulation, protection, identification, holding).

Conformability – The ability of tape to fit snugly or make essentially complete contact with the surface of an irregular object without creasing or folding. Any tape can be applied to any surface, but it may not conform.

Dielectric strength – The voltage that a tape will withstand without allowing passage of current through it.

Elastic memory – A tendency of some tape backings to attempt to return to their original length after being elongated.

Electrolytic corrosion factor – A measure of the tape's corrosive effect on a copper conductor. This is particularly important in the selection of tapes for use as electrical insulation.

Elongation – The distance a tape will stretch lengthwise before breaking, expressed in a percentage. Elongation is an indication of conformability.

Flagging – When the end of a length of tape peels away from the surface after the tape has been applied.

Gapping – Openings between layers of tape within a roll.

Holiday – A small defect that lowers the dielectric strength at the point of the defect.

Migration – The movement, over a long period of time, of an ingredient from one surface to another when the two are in contact. This may occur between tape components or between a tape and the surface to which it is applied.

Oozing – A "squeezing out" of the adhesive from between the layers of tape so that the sides of the roll are very tacky.

Peaking – Large "upheavals" in the outer layers of a roll of tape, when several layers bunch and protrude outward. Creates gapping within the roll.

Peel adhesion – The force required to pull a strip of tape from a surface at a specified angle and speed. Usually expressed in ounces per inch width.

Pressure-sensitive – A term commonly used to designate a category of adhesive tapes that, in dry (solvent-free) form, are aggressively and permanently tacky at room temperature. They also firmly adhere to a variety of dissimilar surfaces upon contact without the need of more than finger or hand pressure. Despite their aggressive tackiness, however, these tapes can be handled with the fingers and removed from smooth surfaces without leaving a residue.

Primer – Material applied to the underside of the backing that prevents the adhesive from adhering to both sides of the backing.

Tacky – A lab synonym for "sticky," or highly adhesive. Sometimes used to express the idea of pressure sensitivity.

Telescoping – A sliding of the tape layers one over the other until the roll assumes a funnel shape.

Thermosetting – Adhesive that sets or hardens on first exposure to heat, and remains set regardless of subsequent temperature cycles.

Vinyl Electrical Tapes

Scotch® Super 33+ Vinyl Electrical Tape



Super 33+ Electrical Tape is a premium grade, all-weather vinyl electrical insulating tape. Super 33+ is conformable for cold weather application to 0°F (-18°C) and is designed to perform in a continuous temperature environment up to 220°F (105°C). An

aggressive adhesive and elastic backing enables Super 33+ to easily conform to irregular surfaces for moisture tight electrical and mechanical protection. Super 33+ provides flexibility and easy handling for all around performance.

Scotch® 35 Vinyl Electrical Tape



Scotch® 35 Vinyl Electrical Color Coding Tape is a premium-grade electrical tape that stretches to conform to virtually any shape that requires color-coded insulation. Scotch® 35 is abrasion- and weather-resistant, with excellent mechanical and electrical insulation

properties that wraps smoothly and holds tight over a wide range of temperatures.



Scotch® Super 88

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Scotch® Super 88 Vinyl Electrical Tape



Scotch® Super 88 Vinyl Electrical Tape is a 8.5 mil heavy duty, premium grade all-weather vinyl electrical insulating tape. Super 88 maintains conformability for cold weather applications:

- better mechanical/abrasion resistance
- quicker build-up

Scotch® 22 Vinyl Insulation Tape

Scotch® 22 Vinyl Insulation Tape is one of 3M's thickest (10-mil) vinyl electrical tapes. It is designed for insulation applications that require greater mechanical strength and abrasion resistance. Scotch® 22 seals in all kinds of weather and provides moisture-tight electrical and mechanical protection with fewer wraps than thinner tapes.

Scotch® 66R Vinyl Electrical Tape

Conformable 10-mil thick Scotch® 66R Vinyl Tape is designed to perform in a continuous temperature environment up to 220°F (105°C). It has excellent resistance to abrasion, moisture and varying weather conditions (including ultraviolet exposure). Scotch® 66R, with its combination of elastic PVC backing and rubber adhesive, provides moisture-tight electrical and mechanical protection.










Features — Advantages — Benefits

Premium Vinyl Electrical Tapes


All-weather tape design	Best adhesion and handling in all weather conditions	Makes job easier and eliminates redos
Resists weather, UV resistance, abrasion, and corrosion	Long lasting	Lower maintenance cost
Far exceeds minimum agency requirements	Highest quality in product category	Provides freedom from worry

Specifications for Vinyl Electrical Tapes

Product Number	Product Description	Tape Thickness	U.V. Resistance	Temp. Rating	Typical Applications	Specs./ Certifications and Listings
	Scotch® Super 33+ Professional Use Premium Vinyl Electrical Tape	7 mil	Exceeds UL510 requirements	220°F 105°C	Primary insulation for splices up to 600V. Protective jacketing.	A-A-55809 ASTM D-3005 Type I UL LISTED 539H SF LR48769
	Scotch® 35 Professional Use Vinyl Electrical Tape for Color Coding	7 mil	Exceeds UL510 requirements	220°F 105°C	Phase identification & marking. Harnessing.	A-A-55809 UL LISTED 539H SF LR48769
	Scotch® Super 88 Professional Use Premium Vinyl Electrical Tape	8.5 mil	Exceeds UL510 requirements	220°F 105°C	Primary insulation for splices up to 600V. Protective jacketing.	MIL-I-24391C ASTM D-3005 Type II UL LISTED 539H SF LR48769
	Scotch® 22 Heavy Duty Vinyl Electrical Tape	10 mil	Exceeds UL510 requirements	176°F 80°C	Bus bar insulation. Cable jacket repair.	ASTM D-2301 Type II UL LISTED 539H SF LR48769
	Scotch® 66R Vinyl Electrical Tape	10 mil	Exceeds UL510 requirements	220°F 105°C	Primary insulation for 600V bus bar. Protective jacketing.	RU File E 17385
	Highland™ 700 Commercial Grade Vinyl Electrical Tape	7 mil	Meets UL510 requirements	194°F 90°C	Protective jacketing. Harnessing.	ASTM D-2301 Type I UL LISTED 539H SF LR48769
	Temflex™ 1700 General Purpose Vinyl Electrical Tape	7 mil	Meets UL510 requirements	176°F 80°C	Protective jacketing. Harnessing.	ASTM D-2301 Type I UL LISTED 539H SF LR48769

Ordering Information for Vinyl Electrical Tapes

Product Number	UPC (054007-)	Size	Inner Unit Pack	Case Qty.
Scotch® Super 33+ Vinyl Electrical Tape				
Super 33+	06130	3/4" x 20' (19 mm x 6,1 m)	10/box	100 rolls
Super 33+	10075	3/4" x 44' (19 mm x 13,4 m)	1/can, 10/ctn	100 rolls
Super 33+	00053	3/4" x 36 yd. (19 mm x 32,9 m)	1/box, 12/ctn	48 rolls
Super 33+	06132	3/4" x 66' (19 mm x 20,1 m)	1/can, 10/ctn	100 rolls
Super 33+D*	10216	3/4" x 66' (19 mm x 20,1 m)	1/disp, 10/ctn	100 rolls
Super 33+	08949	1" x 36 yd. (25,4 mm x 32,9 m)	1/box, 12/ctn	48 rolls
Super 33+	06132	1-1/2" x 36 yd. (38 mm x 32,9 m)	N/A	50 rolls
*Dispenser pack. Note: Other widths and lengths available upon request.				
Scotch® 33 Vinyl Electrical Tape				
33	10133	3/4" x 36 yd. (19 mm x 32,9 m)	1/cello, 12/box	48 rolls
33	10174	1-1/2" x 44' (38 mm x 13,4 m)	1/can, 10/box	100 rolls
Note: Other widths and lengths available upon request. *Minimum order quantities apply. Continued on next page.				



Product Referral Generator

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- Splicing pg. 94
- Connecting
– Lugs and Connectors pg. 85

Ordering Information for Vinyl Electrical Tapes (continued)

Product Number	UPC (054007-)	Size	Inner Unit Pack	Case Qty.
Scotch® 35 Vinyl Electrical Tape for Color Coding				
35 Blue	10240	1/2" x 20' (13 mm x 6,1 m)	1/cello, 10/ctn	100 rolls
35 Blue	10836	3/4" x 66' (19 mm x 20,1 m)	1/can, 10/ctn	100 rolls
35 Brown	10299	1/2" x 20' (13mm x 6,1 m)	1/cello, 10/ctn	100 rolls
35 Brown	10885	3/4" x 66' (19 mm x 20,1 m)	1/can, 10/ctn	100 rolls
35 Gray	10281	1/2" x 20' (13 mm x 6,1 m)	1/cello, 10/ctn	100 rolls
35 Gray	00072	3/4" x 66' (19 mm x 20,1 m)	1/can, 10/ctn	100 rolls
35 Green	10265	1/2" x 20' (13 mm x 6,1 m)	1/cello, 10/ctn	100 rolls
35 Green	10851	3/4" x 66' (19 mm x 20,1 m)	1/can, 10/ctn	100 rolls
35 Orange	10273	1/2" x 20' (13 mm x 6,1 m)	1/cello, 10/ctn	100 rolls
35 Orange	10869	3/4" x 66' (19 mm x 20,1 m)	1/can, 10/ctn	100 rolls
35 Red	10224	1/2" x 20' (13 mm x 6,1 m)	1/cello, 10/ctn	100 rolls
35 Red	10810	3/4" x 66' (19 mm x 20,1 m)	1/can, 10/ctn	100 rolls
35 Violet	49923	1/2" x 20' (13 mm x 6,1 m)	1/cello, 10/ctn	100 rolls
35 Violet	11271	3/4" x 66' (19 mm x 20,1 m)	1/can, 10/ctn	100 rolls
35 White	10232	1/2" x 20' (13 mm x 6,1 m)	1/cello, 10/ctn	100 rolls
35 White	10828	3/4" x 66' (19 mm x 20,1 m)	1/can, 10/ctn	100 rolls
35 Yellow	10257	1/2" x 20' (13 mm x 6,1 m)	1/cello, 10/ctn	100 rolls
35 Yellow	10844	3/4" x 66' (19 mm x 20,1 m)	1/can, 10/ctn	100 rolls
35 Multi-color Pack (Bl, Gn, Re, Ye, Wh)	59073*	1/2" x 20' (13 mm x 6,1 m)	5 rolls/pack	60 rolls
Scotch® Super 88 Vinyl Electrical Tape				
Super 88	10307	3/4" x 44' (19 mm x 13,4 m)	1/can, 10/ctn	100 rolls
Super 88	06143	3/4" x 66' (19 mm x 20,1 m)	1/can, 10/ctn	100 rolls
Super 88	10323	3/4" x 36 yd.' (19 mm x 32,9 m)	1/box, 10/ctn	48 rolls
Super 88	10331	1" x 36 yd. (25,4 mm x 32,9 m)	1/box, 12/ctn	48 rolls
Super 88	10364	1-1/2" x 44' (38 mm x 13,4 m)	1/box, 10/ctn	100 rolls
Super 88	10349	1-1/2" x 36 yd. (38 mm x 32,9 m)	N/A	12 rolls
Super 88	10356	2" x 36 yd. (51 mm x 32,9 m)	1/box, 10/ctn	12 rolls
Note: Other widths and lengths available upon request.				
Scotch® 22 Heavy-Duty Vinyl Electrical Tape				
22	10026	1/2" x 36 yd. (13 mm x 32,9 m)	1/box 12/ctn	48 rolls
22	10034	3/4" x 36 yd. (19 mm x 32,9 m)	1/box 12/ctn	48 rolls
22	10042	1" x 36 yd. (25,4 mm x 32,9 m)	1/box 12/ctn	48 rolls
22	10059	1-1/2" x 36 yd. (38 mm x 32,9 m)	N/A	12 rolls
22	10067	2" x 36 yd. (51 mm x 32,9 m)	N/A	12 rolls
Scotch® 66R Vinyl Electrical Tape (made to order)	43249 43250	Common sizes: 3/4" x 36 yd. (19 mm x 32,9 m) 1" x 36 yd. (25,4 mm x 32,9 m) Other sizes available upon request.	N/A N/A	48 rolls 36 rolls
Highland™ 700 Vinyl Electrical Tape	16720	3/4" x 66' (19 mm x 20,1 m)	1/cello	100 rolls
Temflex™ 1700 Vinyl Electrical Tape				
1700	49700	3/4" x 36 yd. (19 mm x 32,9 m)	N/A	100 rolls
1700	69764	3/4" x 60' (19 mm x 18,3 m)	1/cello	100 rolls
1700	49571	3/4" x 66' (19 mm x 20,1 m)	N/A	100 rolls
1700 Display	43130	Fits 3/4" x 60' (19 mm x 18,3 m)	1 each	2 displays
1700P MHSA Print	08175	3/4" x 66' (19 mm x 20,1 m) [Printed, Bulk]	N/A	100 rolls
1700P MHSA Print	08408	1-1/2" x 44' (38 mm x 13,4 m) [Printed, Bulk]	N/A	100 rolls
1700P MHSA Print	50750	1-1/2" x 66' (38 mm x 20,1 m) [Printed]	1/cello	100 rolls

Note: Other widths and lengths available upon request.

*Minimum order quantities apply.

Insulating and Splicing Tapes

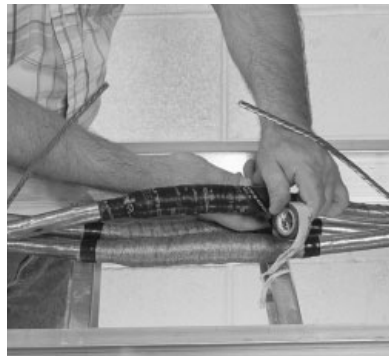
Scotch® 130C Linerless Rubber Splicing Tape

Scotch® 130C Electrical Tape is a highly conformable, linerless Ethylene Propylene Rubber (EPR), high-voltage insulating tape that provides excellent thermal dissipation of splice heat. Scotch® 130C meets industry specifications and has excellent physical and electrical properties, which provide immediate moisture seal and void-free buildups. Scotch® 130C is rated up to 194°F (90°C) continuous operating temperatures and short term 266°F (130°C) overload service. This tape should be applied like any rubber tape: that is, the side of the tape wrapped inside the roll should be applied outside on the splice (tacky side up). This will help prevent the roll from getting progressively further away from the work area.

Scotch® 13 Electrical Semi-conducting Tape

Scotch® 13 Electrical Tape is a highly conformable, semi-conducting Ethylene Propylene Rubber (EPR)-based, high-voltage splicing tape. Scotch® 13 Electrical Tape elongates easily to conform to irregular shapes and retains its conductivity when stretched.

Scotch® 23 Rubber Splicing Tape

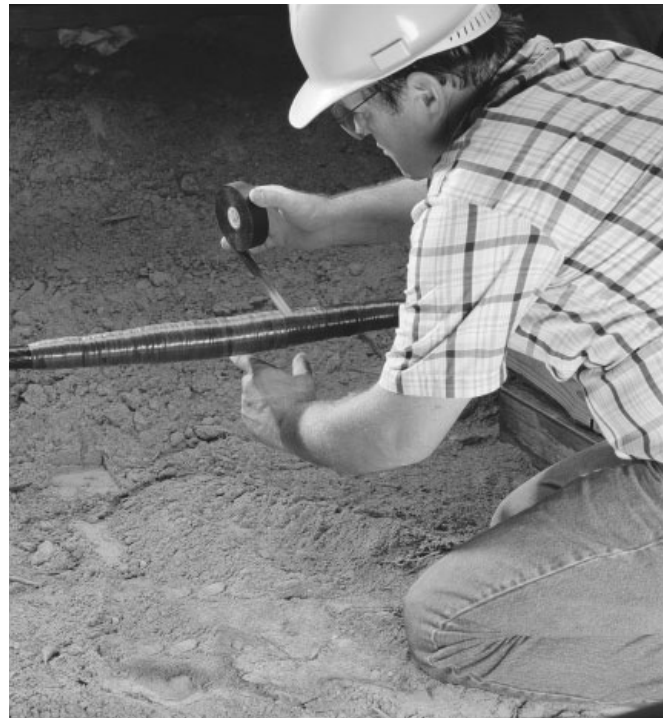


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Scotch® 23 Electrical Tape is a highly conformable, self-fusing Ethylene Propylene Rubber (EPR)-based, high-insulating voltage tape. Scotch® 23 has a “snakeskin” liner that is easily removed as the tape is applied.

Scotch® 24 Electrical Shielding Tape

Scotch® 24 Electrical Shielding Tape is an all-metal, flat, open-weave shielding braid that is compatible with power cable insulations and all high-voltage splicing and terminating materials. Scotch® 24 Electrical Tape elongates easily to conform and is temperature stable.



Scotch® 130C Linerless Rubber Splicing Tape

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Scotch® 25 Electrical Grounding Braid

Scotch® 25 Electrical Grounding Braid is a flat, all-metal woven electrical grounding braid that is compatible with all power cable insulations and high-voltage splicing and terminating materials. The Scotch® 25 Electrical Grounding Braid is conformable and temperature stable, and has a high carrying current capacity approximately that of #6 AWG wire.

Scotch® 70 Self-fusing Silicone Rubber Electrical Tape

Scotch® 70 Silicone Rubber Electrical Tape is a high-temperature, arc- and track-resistant tape composed of self-fusing, inorganic silicone rubber with an easy-tear and easy-strip liner.



Product Referral Generator

- Insulating
 - Cold Shrink pg. 279
 - Heat Shrink pg. 102
- Connecting
 - Lugs and Connectors pg.85

Features — Advantages — Benefits

Linerless Rubber Tapes

No liner	Makes job easier	Saves time, lower installed cost
Excellent thermal dissipation	More stable splices	Provides longer cable life, reduces life cycle cost
Highly conformable	High quality moisture seal	Eliminates call-backs

Scotch® 77 Fire-retardant Electric Arc Proofing Tape

Scotch® 77 Fire-retardant Electric Arc Proofing Tape is designed to protect all types of electrical cables where exposed to potential failures of other high voltage cables or exposed to other high energy cables. Its unique formulation expands in fire to form a thick char buildup between the flame and the cable. The resulting firewall acts as a heat shield and flame barrier, thus protecting the cables and accessories.

3M™ 2242 Linerless Electrical Rubber Tape

3M 2242 Electrical Tape is a multi-purpose rubber insulating tape designed for use in splicing and terminating wires and cables rated up to 194°F (90°C). 3M 2242 Electrical Tape is a highly conformable, linerless Ethylene Propylene Rubber (EPR)-based tape.














Scotchfil™ Electrical Insulation Putty

3M Scotchfil Putty is an electrical grade, rubber-based, elastic-type putty in tape form. It can be wrapped, stretched or molded around irregular shapes for quick, smooth insulation build-up. Use Scotchfil putty to insulate connections up to 600 volts and to round out high-voltage connections to gear, smooth bus bar irregularities, and make a moisture seal at ground wire exits in high-voltage splices. UL Recognized Component listing for 176°F (80°C) when used in combination with Super 33+ or 88 tapes (Guide OCDT2, File E59951).

Scotch® 2510/ Scotch® 2520 Electrical Insulating Varnished Cambric Tapes

Scotch® 2510/2520 Tapes are bias cotton cambric fabric tapes, oil primed and coated with high-grade yellow electrical insulating varnish for quality electrical insulating. Scotch® 2510/2520 are temperature stable tape products that allow for clean reentry of electrical connections. Scotch® 2510 has no adhesive and Scotch® 2520 has a pressure-sensitive adhesive.

Specifications for Insulating and Splicing Tapes

Product Number	Product Description	Tape Thickness	U.V. Resistance	Temp. Rating	Typical Applications	Specs./Certifications and Listings
 Scotch® 130C Linerless Rubber Splicing Tape	High voltage insulating; thermally conductive; self-bonding.	30 mil	No*	continuous: 194°F (90°C) short-term: 266°F (130°C)	Primary electrical insulation for splicing all solid dielectric cables through 69kV.	ASTM D-4388 Type I, II, & III HH-I-553C
 Scotch® 13 Semiconducting Tape	Rubber tape, semi-conductive. Compatible with cable semi-conducting jackets.	30 mil	No*	continuous: 194°F (90°C) short term: 266°F (130°C)	Electrically round high voltage connections. Provide cable shield continuation.	ASTM D-4388 Type IV
 Scotch® 23 Rubber Tape	High & low voltage insulating, self-fusing rubber tape.	30 mil	N/A	continuous: 194°F (90°C) short term: 266°F (130°C)	Primary electrical insulation for splicing all solid dielectric cables through 69 kV.	HH-I-3825B ASTM D-4388 Type I, II, & III
 Scotch® 24 Electrical Shielding Tape	All metal open weave shielding braid, conformable, temperature stable.	N/A	N/A	N/A	Continue electrostatic shielding across splice.	N/A
 Scotch® 25 Grounding Braid	All metal woven braid; high current carrying capacity of 6 AWG wire; solderable.	N/A	N/A	N/A	Conformable ground braid for splices & terminations.	N/A
 Scotch® 70 Self-fusing Silicone Rubber Tape	Arc & track resistant; self fusing, long lasting silicone rubber.	12 mil	Excellent	356°F (180°C)	Protective overwrap for terminating high voltage cables.	N/A
 Scotch® 77 Electric Arc Proofing Tape	Protects cable until limiting devices can interrupt faulted current.	30 mil	Excellent	N/A	Use on high-energy cables that are within 18" of other high energy cables.	N/A
 3M 2242 Linerless Splicing Compound	General purpose rubber insulating tape.	30 mil	No*	continuous: 194°F (90°C) short-term: 266°F (130°C)	All-voltage splicing, jacketing, & general insulating.	HH-I-553C ASTM D-4388 Type I, II, & III
 Scotchfil Electrical Insulation Putty	Black, self-fusing, insulating putty in tape form.	125 mil	No*	176°F (80°C)	Insulate connections up to 600V. Smooth bus bar irregularities.	 File E 59951
 Scotch® 2510 and 2520 Varnished Cambric Tapes	Yellow, varnish coated cotton cloth 2510: no adhesive; 2520: adhesive.	7 mil 8 mil	No*	220°F (105°C)	Insulate bus bars, motor leads (for re-entry), service drop connections.	N/A
 Temflex™ 2155 Rubber Splicing Tape	Replaces 2150. Economical low voltage rubber insulating tape; self-fusing.	30 mil	No*	176°F (80°C)	Insulating wire splices, split bolt connections, & motor leads up to 600V.	 LISTED 539H

*For best UV protection, overwrap with Scotch® Super 33+.

Ordering Information for Insulating and Splicing Tapes

Product Number	UPC (054007-)	Size	Inner Unit Pack	Case Qty.
Scotch® 130C Linerless Rubber Splicing Tape				
130C	41717	3/4" x 30' (19 mm x 9,1 m)	1/box	24 rolls
130C	41751	1" x 10' (25 mm x 3 m)	1/box	24 rolls
130C	41752	1" x 15' (25 mm x 4,6 m)	1/box	24 rolls
130C	41753	1" x 30' (25 mm x 9,1 m)	1/box	24 rolls
130C	41718	1-1/2" x 30' (38 mm x 9,1 m)	1/box	12 rolls
130C	41754	2" x 30' (51 mm x 9,1 m)	1/box	12 rolls
Scotch® 13 Electrical Semiconducting Tape				
13	15017	3/4" x 15' (19 mm x 4,57 m)	1/box, 10/ctn	50 rolls
Scotch® 23 Rubber Splicing Tape				
23	15025	3/4" x 30' (19 mm x 9,1 m)	1/box	50 rolls
23	13061	1" x 20' (25 mm x 6,1 m)	1/box	50 rolls
23	00059	1" x 30' (25 mm x 9,1 m)	1/box	50 rolls
23	11214	1-1/2" x 30' (38 mm x 9,1 m)	1/box, 10/ctn	50 rolls
23	15033	2" x 30' (51 mm x 9,1 m)	1/box, 10/ctn	50 rolls
Note: Other widths and lengths available upon request.				
Scotch® 24 Electrical Shielding Tape				
24	15058	1" x 100' (25 mm x 30,5 m)	1/box, 10/ctn	50 rolls
24	15041	1" x 15' (25 mm x 4,6 m)	1/box, 10/ctn	50 rolls
Scotch® 25 Electrical Grounding Braid				
25	11602	1/2" x 15' (13 mm x 4,6 m)	1/box	1 roll
Scotch® 70 Self-Fusing Silicone Rubber Electrical Tape				
70	15603	1" x 30' (25 mm x 9,1 m)	1/box, 10/ctn	50 rolls
Scotch® 77 Fire and Electric Arc Proofing Tape				
77	42007	1-1/2" x 20' (38 mm x 6,1 m)	1/bag	10 rolls
77	42006	3" x 20' (76 mm x 6,1 m)	1/bag	10 rolls
3M™ 2242 Linerless Electrical Rubber Tape				
2242	06165	3/4" x 15' (19 mm x 4,6 m)	1/bag	24 rolls
2242	41323	1-1/2" x 15' (38 mm x 4,6 m)	1/bag	12 rolls
2242	43251	2" x 15' (51 mm x 4,6 m)	N/A	8 rolls
Scotchfil™ Electrical Insulation Putty				
	41750	1-1/2" x 60" (38 mm x 1,53 m)	4/cello, 12 rolls	50 rolls
Scotch® 2510 Varnished Cambric Tape				
2510	41720	3/4" x 60' (19 mm x 18,3 m)	1/box	20 rolls
2510	10661	3/4" x 36 yd. (19 mm x 33 m)	bulk	48 rolls
2510	10687	1" x 36 yd. (25 mm x 33 m)	bulk	36 rolls
2510	10703	1-1/2" x 36 yd. (38 mm x 33 m)	bulk	24 rolls
2510	10711	2" x 36 yd. (51 mm x 33 m)	bulk	16 rolls
2510	15751	36" x 25 yd. (914,4 mm x 22,9 m)	N/A	1 roll
Scotch® 2520 Varnished Cambric Tape				
2520	04836	3/4" x 60' (19 mm x 18,3 m)	1/box	20 rolls
2520	04835	3/4" x 36 yd. (19 mm x 33 m)	bulk	48 rolls
2520	04833	1" x 36 yd. (25 mm x 33 m)	bulk	36 rolls
2520	04832	1-1/2" x 36 yd. (38 mm x 33 m)	bulk	24 rolls
2520	04834	2" x 36 yd. (51 mm x 33 m)	bulk	16 rolls
Temflex™ 2155 Rubber Splicing Tape				
2155 (replaces 2150)	50348	3/4" x 22' (19 mm x 6,7 m)	bulk	50 rolls
2155 (replaces 2150)	50349	1-1/2" x 22' (38 mm x 6,7 m)	bulk	50 rolls

Sealing and Insulating Tapes

Scotch® 2200 (125 mil) Vinyl Mastic Pads and Scotch® 2210 (90 mil) Vinyl Mastic Roll

Scotch® 2200 Vinyl Mastic Pads and Scotch 2210 Vinyl Mastic Rolls are self-fusing, rubber-based insulating compounds laminated to a flexible, all-weather grade PVC backing. Both rolls and pads are resistant to abrasion, moisture, alkalies, acid, copper corrosion, U.V. and varying weather conditions.

Scotch® 06147 and 06149 Electrical Moisture Sealant (45 mil)

Scotch® 06147 rolls and 06149 Electrical Moisture Sealant pads are self-fusing, rubber-based thin insulating mastic compounds laminated to a flexible, all-weather grade PVC backing and are designed for moisture sealing of electrical connections up to 600 volts.

Scotch® 2228 Rubber Mastic Tape

Scotch® 2228 Rubber Mastic Tape is a conformable self-fusing rubber electrical insulating and sealing tape. Scotch® 2228 Electrical Tape consists of Ethylene Propylene rubber (EPR) backing coated with an strong, temperature-stable mastic adhesive.

Scotch-Seal™ 2229 Mastic Tape

Scotch-Seal 2229 Mastic Tape is designed for quick and easy insulating, padding and sealing of electrical connections. It is a conformable, durable, tacky mastic with an easy release liner for easy applications over irregular surfaces and provides excellent moisture resistance. It features superior self-healing characteristics after being punctured or cut.



Scotch® 2210 Vinyl Mastic Roll

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Product Referral Generator





- Insulating
- Cold Shrink pg. 279
- Heat Shrink pg. 102

✓ Features — Advantages — Benefits

2200 and 2210

Self-fusing tape with vinyl backing	One-step application	Will save you time
Conformable for application over irregular surfaces	Makes job easier/faster	Saves time
Compatible with solid dielectric cable insulation	Easy to use	Makes your job easier
2 convenient pad sizes	Allows for various applications	Convenient, saves you time and money

Specifications for Sealing and Insulating Tapes

Product Number	Product Description	Tape Thickness	U.V. Resistance	Temperature Rating	Typical Applications
 Scotch® 2200 and 2210 Vinyl Mastic	Excellent moisture sealant; tough vinyl backing; electrical insulating.	2200 is 125 mil 2210 is 90 mil	Excellent	176°F (80°C)	Insulate moisture-seal and pad connections up to 600V.
 Scotch® 06147 and 06149 Moisture Sealant	Excellent moisture sealant; tough vinyl backing; electrical insulating.	6147 is 45 mil 6149 is 45 mil	Excellent	176°F (80°C)	Insulate moisture-seal and pad connections up to 600V.
 Scotch® 2228 Rubber Mastic Tape	Self-fusing rubber based compound bonded to a moisture sealing mastic; all weather.	65 mil	No*	194°F (90°C) emergency overload of 266°F (130°C)	Insulate, pad, and seal bus bar and splice connections.
 Scotch-Seal™ 2229 Mastic Tape Compound	Conformable and durable mastic. Excellent moisture and environmental seal.	125 mil	No*	176°F (80°C)	Sealing high voltage cables and accessories.

*For best UV protection, overwrap with Scotch Super 33+ Tape.

Ordering Information for Sealing and Insulating Tapes

Product Number	UPC (054007-)	Size	Inner Unit Pack	Case Qty.
Scotch® 2200 and 2210 Vinyl Mastic				
2200	11008	3-1/4 x 4-1/2" pads (83 x 114 mm)	10/box	50 pads
2200	21296	6-1/2 x 4-1/2" pads (165 x 114 mm)	10/box	50 pads
2210	11222	4" x 10' roll (102 mm x 3,05 m)	1/box	10 pads
Scotch® 06147 and 06149 Electrical Moisture Sealant				
06147	06147	2-1/2" x 10' (63 mm x 3,05 m)	1/roll	10 rolls
06149	06149	2-1/2 x 2-1/2" (63 x 63 mm)	25/box	10 boxes
Scotch® 2228 Rubber Mastic Tape				
2228	50727	1" x 10' (25 mm x 3,05 m)	bulk	10 rolls
2228	43478	2" x 3' (51 mm x 0,9 m)	N/A	48 rolls
2228	09656	2" x 10' (51 mm x 3,05 m)	bulk	10 rolls
Scotch-Seal 2229 Mastic Tape				
2229	49702	3-3/4" x 10' (102 mm x 3,05 m)	bulk	8 each
2229	50335	1" x 10' (25 mm x 3,05 m)	bulk	12 each
2229-P	41303	2-1/2 x 3-3/4" pads (63,5 x 95,25 mm)	10/box, 40/cs.	40 pads
2229-P	50336	3-3/4 x 3-3/4" pads (95,25 x 95,25 mm)	25/box, 100/cs.	40 pads
2229-P	50337	3-3/4 x 6-1/2" pads (95,25 x 165,1 mm)	bulk	40 pads
2230 Mastic Strip	41813	5/8 x 6" (15,86 x 152,4 mm)	N/A	40 each

Corrosion Protection Tapes

Scotchrap™ 50 and 51 All-weather Corrosion Protection Tapes

Scotchrap 50 (10 mils) and 51 (20 mils) Corrosion Protection Tapes are tough, polyvinyl chloride (PVC) tapes with high-tack adhesives that resist corrosion of metal piping systems above and below ground. Both tapes apply over a wide temperature range and are resistant to impact, abrasion and punctures. **Coat the pipe or other metal surfaces with Scotchrap Pipe Primer before wrapping with Scotchrap 50 or 51.**

Scotchrap Pipe Primer

A quick-drying, non-sag rubber base primer that permeates metal surface pits and irregularities, preparing the surface for tape application. Compatible with the special adhesive on Scotchrap Tapes, it enhances adhesion. To be used with Scotchrap 50 and 51 All-weather Corrosion Protection Tapes.

Scotchfil™ Electrical Insulation Putty

Use as a build-up compound on highly irregular surfaces such as fittings and valves, providing a smooth, waterproof taping surface. Scotchfil Putty is soft and pliable—simply press putty into place on irregular surfaces, mold with finger pressure and over tape using standard methods.



Scotchrap™ 51 and Scotchrap Pipe Primer

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Product Referral Generator

Insulating	
– Tape	pg. 127
– Resin Kits	pg. 284
Sealing	pg. 133



Features — Advantages — Benefits

Scotchrap 50 All-weather Corrosion Protection Tape





10 mils, PVC backing	Flexible	Easy to use, which saves time
Excellent moisture and abrasive resistance,	Resists pipe corrosion	Cuts down on replacement costs
High quality adhesive	Excellent quick stick	Easy to use

Scotchrap 51 All-weather Corrosion Protection Tape

20 mils, PVC backing	Superior mechanical strength and abrasion resistance	Provides confidence about the job and freedom from worry
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NOTE: Scotchrap Pipe Primer should be used with all corrosion protection tapes.

Specifications for Corrosion Protection Tapes

Product Number	Product Description	Tape Thickness	U.V. Resistance	Temperature Rating	Typical Applications
	Scotchrap™ 50 and 51 All-weather Corrosion Protection	50 is 10 mil 51 is 20 mil	Excellent Excellent	176°F (80°C)	Corrosion protection on pipes, conduits and fittings, etc.
	Scotchrap Pipe Primer	N/A	N/A	176°F (80°C)	For use with Scotchrap 50 & 51 tapes and Temflex™ 1100 Tape.
	Scotchfil™ Electrical Insulation Putty	125 mil	N/A	176°F (80°C)	Smooths irregularities on fittings and valves.
	Temflex 1100 Tape	10 mil	Yes	176°F (80°C)	Corrosion protection on conduits, fittings and joints, etc.

Ordering Information for Corrosion Protection Tapes

Product Number	UPC (054007-)	Size	Inner Unit Pack	Case Qty.
Scotchrap 50 and 51 All-Weather Corrosion Protection Tapes				
50	11149	1" x 100' (25 mm x 30,5 m)	1/box	10 rolls
50	00014	1" x 100' (25 mm x 30,5 m)	bulk	48 rolls
50	11156	2" x 100' (51 mm x 30,5 m)	1/box	10 rolls
50	10638	2" x 100' (51 mm x 30,5 m)	bulk	24 rolls
50	09468	3" x 100' (76 mm x 30,5 m)	bulk	16 rolls
50	10646	4" x 100' (102 mm x 30,5 m)	bulk	12 rolls
50	15785	6" x 100' (152 mm x 30,5 m)	bulk	8 rolls
50 Printed	00012	1" x 100' (25 mm x 30,5 m)	bulk	48 rolls
50 Printed	00013	2" x 100' (51 mm x 30,5 m)	bulk	24 rolls
50 Printed	00018	4" x 100' (102 mm x 30,5 m)	bulk	12 rolls
51	42806	1" x 100' (25 mm x 30,5 m)	bulk	24 rolls
51	42807	2" x 100' (51 mm x 30,5 m)	bulk	12 rolls
51	42808	4" x 100' (102 mm x 30,5 m)	bulk	6 rolls
51	42809	6" x 100' (152 mm x 30,5 m)	bulk	4 rolls
51 Printed	42802	1" x 100' (25 mm x 30,5 m)	bulk	24 rolls
51 Printed	42803	2" x 100' (51 mm x 30,5 m)	bulk	12 rolls
51 Printed	42804	4" x 100' (102 mm x 30,5 m)	bulk	4 rolls
51 Printed	42805	6" x 100' (152 mm x 30,5 m)	bulk	4 rolls
Note: 100 sq. ft. (9,3 m ²) of tape equals a square. Example: 2 rolls of 6 in. x 100 ft. (152 mm x 30,5 m), 3 rolls of 4 in. x 100 ft. (101 mm x 30,5 m), 6 rolls of 2 in. x 100 ft. (51 mm x 30,5 m), 12 rolls of 1 in. x 100 ft. (25 mm x 30,5 m)				
Scotchrap Pipe Primer	42768	1-gallon can (3,79 liters)	bulk	4 cans
Scotchfil Electrical Insulation Putty	41750	1-1/2" x 60" (38 mm x 1,53 m)	4/cello	50 boxes
Temflex 1100 Corrosion Protection Tape				
1100 Printed	09065	2" x 100' (51 mm x 30,5 m)	bulk	24 rolls
1100	09061	2" x 100' (51 mm x 30,5 m)	bulk	24 rolls

Note: Scotchfil putty must be overwrapped with Scotchrap or Temflex.

Note: Printed tapes are printed with product name and thickness.

Special Use Tapes

3M provides a wide range of tapes for special applications, from electrically insulating glass cloth tapes, to gaffers tape, and even duct tape.

Scotch® 27/Scotch® 69 Glass Cloth Electrical Tape

Scotch® 27 and 69 Electrical Tapes are woven glass cloth tapes with thermosetting, pressure-sensitive adhesives, which electrically insulate and provide mechanical protection at high temperatures. Scotch® 27 Class B–266°F (130°C) and 69 Class H–356°F (180°C) Electrical Tapes deliver high-temperature performance.

Scotch® 48 Thread Sealant and Lubricant

Scotch® 48 Thread Sealant Tape is a high temperature stable (PTFE) pipe thread sealant that provides a leakproof seal.

Scotch® 232 High Performance Masking Tape

Scotch® 232 High Performance Masking Tape is a tough and extremely smooth, natural-colored, 5.7 mil (0,14 mm) thick, high performance, crepe paper tape. It is excellent for paint masking as well as many industrial applications. Scotch® 232 Masking Tape will generally function during bake cycles of up to 200°F (93°C) for periods up to one hour. It should not be exposed to outdoor elements. It can be qualified to meet Fed. Spec. PPP-T-42C Type I and CID A-A-883B

Scotch® 234 General Purpose Masking Tape

Scotch® 234 General Purpose Masking Tape is a natural-colored, 5.4 mil (0,14 mm) thick, paper tape. It is excellent for general industrial applications. It will generally function during bake cycles of up to 200°F (93°C) for periods up to one hour. It should not be exposed to outdoor elements. It can be qualified to meet Fed. Spec. PPP-T-42C Type I and CID A-A-883B.



Scotch® 27 Glass Cloth

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Product Referral Generator

Hi Temp Insulating 70 Tape	pg. 130
Hi Temp Terminating	pg. 23
Connecting	pg. 5















Features — Advantages — Benefits

Scotch® 27 and 69 Tape

High temperature thermosetting adhesive	Excellent solvent resistance	Improves safety
Class B rating to Class H	High temperature resistance	Provides freedom from worry
Glass cloth backing	Mechanical protection	Lasts longer and improves safety

Specifications for Special Use Tapes

	Product Number	Product Description	Tape Thickness	Temperature Rating	Typical Applications	Specs./ Certifications and Listings
	Scotch® 27 and 69 Glass Cloth Tapes	Woven insulating glass cloth; high temperature resistance; high mechanical strength.	27 is 7 mil 69 is 7 mil	27 is Class B temp 266°F (130°C) 69 is class H temp 356°F (180°C)	Heat-stable insulation for furnace and oven controls, motor leads, & switches.	 
	Scotch® 48 Thread Sealant and Lubricant	Pipe thread sealant that provides a leakproof seal.	3 mil	500°F (260°C)	Leakproof seal helps prevent cross threading on pipe threads.	N/A
	Scotch® 232 High Performance Masking Tape	Premium grade paper masking tape	5.7 mil	Up to 250°F (121°C)	Paint masking tape, bundling and protecting.	N/A
	Scotch® 234 General Purpose Masking Tape	General purpose paper masking tape	5.4 mil	Up to 250°F (121°C)	Holding, sealing, non-critical masking.	N/A
	Tartan™ 200 Masking Tape	Utility purpose paper tape.	4.5 mil	199°F (93°C)	Non-critical masking and holding.	N/A
	Temflex™ 1755 Cotton Friction Tape	High grade friction tape. Good abrasion resistance.	15 mil	176°F (80°C)	Abrasion protection for splices and connections.	N/A
	Highland™ 6969 Duct Tape	High performance duct tape, excellent adhesion, tears easily. Silver.	10.8 mil	200°F (93°C)	Moisture proofing plumbing, duct sealing, and protecting.	N/A
	Tartan 3939 Duct Tape	General purpose duct tape; good adhesion, strong backing. Silver.	9.8 mil	150°F (65°C)	Sealing heating ventilation and air conditioning ducts.	N/A
	Scotch® 2000 Electricians Duct Tape	General purpose easy tear vinyl duct tape	6 mil	N/A	General holding and bundling	N/A
	Highland 6910 Cloth Gaffers Tape	High tack, easy tear coated cloth tape	13.7 mil	up to 200°F (93°C)	Sealing and holding where minimum light reflection and glare are required.	N/A

Note: Tartan 3939 replaces Temflex 3930.

Ordering Information for Special Use Tapes

Product Number	UPC (054007-)	Size	Inner Unit Pack	Case Qty.
Scotch® 27 and 69 Glass Cloth Electrical Tape				
27	15066	1/2" x 66' (13 mm x 20,1 m)	1/box, 10/ctn	50 rolls
27	15074	3/4" x 66' (19 mm x 20,1 m)	1/box, 10/ctn	50 rolls
27	27477	3/4" x 60 yd. (19 mm x 54,8 m)	N/A	12 rolls
27	10570	1" x 60 yd. (25,4 mm x 54,8 m)	N/A	9 rolls
27	27478	1-1/2" x 60 yd. (38,1 mm x 54,8 m)	N/A	24 rolls
69	10083	1/2" x 66' (13 mm x 20,1 m)	1/box, 10/ctn	50 rolls
69	27548	1/2" x 36 yd. (13 mm x 33 m)	N/A	18 rolls
69	09910	3/4" x 66' (19 mm x 20,1 m)	1/box, 10/ctn	50 rolls
69	27493	3/4" x 36 yd. (19 mm x 33 m)	N/A	12 rolls
69	27494	1" x 36 yd. (25 mm x 33 m)	N/A	9 rolls
Scotch® 48 Thread Sealant and Lubricant				
48	06192	1/4" x 260" (6,3 mm x 6,6 m)	bulk	12 rolls
48	06195	1/2" x 260" (13 mm x 6,6 m)	bulk	12 rolls
48	06196	1/2" x 520" (13 mm x 13,2 m)	bulk	12 rolls
48	27571	1/2" x 1296" (13 mm x 32,9 m)	bulk	12 rolls
Note: Other widths and lengths are available.				
Scotch® 232 High Performance Masking Tape				
232	02853*	3/4" x 60 yd. (19 mm x 54,8 m)	bulk	48 rolls
232	02854*	1" x 60 yd. (25,4 mm x 54,8 m)	bulk	36 rolls
232	04240*	2" x 60 yd. (51 mm x 54,8 m)	bulk	24 rolls
Scotch® 234 General Purpose Masking Tape				
234	02981*	3/4" x 60 yd. (19 mm x 54,8 m)	bulk	48 rolls
234	02982*	1" x 60 yd. (25,4 mm x 54,8 m)	bulk	48 rolls
234	04244*	2" x 60 yd. (51 mm x 54,8 m)	bulk	24 rolls
Tartan™ 200 Masking Tape†				
200	71183*	12 mm x 55 m (1/2" x 60 yd.)	bulk	72 rolls
200	71182*	18 mm x 55 m (3/4" x 60 yd.)	bulk	48 rolls
200	71180*	24 mm x 55 m (1" x 60 yd.)	bulk	36 rolls
200	71179*	36 mm x 55 m (1-1/2" x 60 yd.)	bulk	24 rolls
200	71177*	48 mm x 55 m (2" x 60 yd.)	bulk	24 rolls
200	71176*	72 mm x 55 m (3" x 60 yd.)	bulk	12 rolls
200	73799*	96 mm x 55 m (4" x 60 yd.)	bulk	8 rolls
Temflex™ 1755 Cotton Friction Tape				
1755	50218	3/4" x 60' (19 mm x 18,3 m)	bulk	60 rolls
1755	50217	1-1/2" x 82-1/2' (38 mm x 25,1 m)	bulk	30 rolls
1755	50216	3/4" x 82-1/2' (19 mm x 25,1 m)	bulk	60 rolls
Highland™ 6969 Duct Tape				
6969	06969**	2" x 60 yd. (51 mm x 54,8 m)	bulk	24 rolls
6969	85635*	3" x 60 yd. (76 mm x 54,8 m)	bulk	12 rolls
Tartan 3939 Duct Tape				
3939	85561*	1" x 60 yd. (25,4 mm x 54,8 m)	bulk	36 rolls
3939	06975**	2" x 60 yd. (51 mm x 54,8 m)	bulk	24 rolls
3939	85562*	3" x 60 yd. (76 mm x 54,8 m)	bulk	12 rolls
3939	85563*	4" x 60 yd. (102 mm x 54,8 m)	bulk	12 rolls
Note: 3939 Tartan replaces 3930 Temflex.				
Scotch® 2000 Electricians Duct Tape				
	43403	1.9" x 50 yd. (50 mm x 46 m)	bulk	24 rolls
Highland 6910 Cloth Gaffers Tape				
6910 Black	06843**	2" x 60 yd. (51 mm x 54,8 m)	bulk	24 rolls
6910 Silver	22782*	2" x 60 yd. (51 mm x 54,8 m)	bulk	24 rolls

*UPC prefix 021200-

**UPC prefix 051131-

†Order product in metric units.

Coated Foam Tapes

3M™ Scotch-Mount™ 4000 Series Double Coated Urethane Foam Tape

3M Scotch-Mount 4000 Series Double Coated Foam Tape, made of urethane foam, is ideal for a multitude of general purpose, indoor mounting and joining applications to unified or rough surfaces. This open-cell urethane foam tape is soft and conformable while being high in strength.

These foam tapes function well for extended periods at temperatures of 220°F (104°C).

3M™ Scotch-Mount 4400 Series Double Coated Vinyl Foam Tape

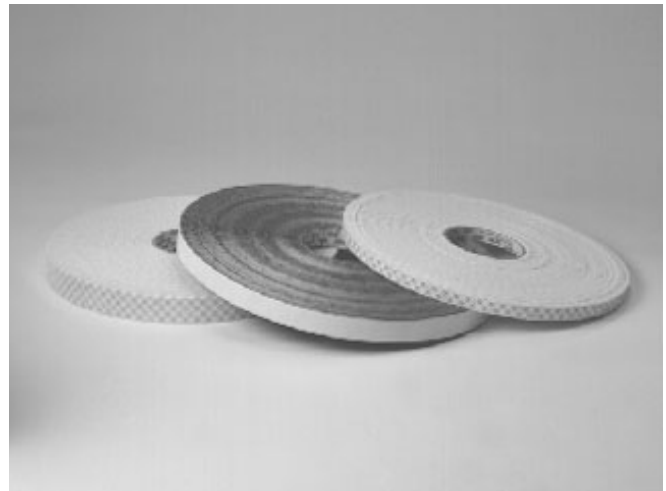
3M Scotch-Mount 4400 Series Double Coated Foam Tape is made with highly conformable, closed-cell vinyl foam coated with A-30 adhesive. It is ideal for indoor and outdoor mounting, holding, gasketing, and joining rough, mismatched surfaces. The closed-cell foam makes an excellent water and air seal, providing thermal insulation. This tape has good internal strength, resists solvents, cushions, conforms, flexes, and weathers well.

3M™ 4496 Double Coated Polyethylene Foam Tape

3M 4496 Double Coated Polyethylene Foam Tape is a 1/16 inch thick (1,6 mm) white, closed-cell, crosslinked polyethylene with A-30 acrylic adhesive. It combines a conformable foam with a high strength adhesive that provides good initial tack and offers high ultimate adhesion to a wide variety of surfaces.

Ideal tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial application should not be made at temperatures below 50°F (10°C) because the adhesive becomes too firm to adhere readily.

4496 is formulated for demanding indoor and moderate outdoor general purpose gasketing, sealing, mounting, and joining applications of irregular surfaces.



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3M™ Scotchfoam™ 4700 Series Single Coated Vinyl Foam Tape

3M Scotchfoam 4700 Series Vinyl Coated Foam Tape is a flexible, black, medium-density, closed-cell foam with the acrylic adhesive A-30 on one side. The adhesive is protected by a silicone treated paper liner that allows for die cutting without having to laminate another liner to the foam.

4700 series is resistant to solvents and has excellent aging characteristics. It will remain flexible when exposed to UV light or continuous temperatures of 50°F (66°C) and up to 30 minutes at 250°F (21°C). It is also effective in low temperatures; a cold flex at 0°F (-18°C) shows no cracks when tape is bent around a 1.4 inch (35,6 mm) diameter mandrel.

3M Scotchfoam 4700 Series Vinyl Coated Foam Tape is a durable tape that can help seal out dust, light, and moisture. When placed under 30% compression, it adheres to latex-painted and lacquered wood, enameled steel, glass, aluminum, stainless steel, acrylic, ABS, and non-plasticized PVC. Application ideas include: dust and moisture seal for appliances, computers, copiers, and other electronic and transportation equipment.

Tape Selection Guide

Substrate profile

- Thin material
- Flexible material or small rigid parts
- Lightweight

- Thick material
- Stiff or rigid material
- Medium to heavy weight
- Irregular surfaces

General performance characteristic

Thin Tapes

Thick Tapes

- Thin bond line

- Gap filling
- Sealing

Specific performance characteristics by product line

Thin Tapes

Thick Tapes

- 3M™ Adhesive Transfer Tapes**
- Thinnest bond lines
 - High shear strength adhesive available
 - Many can be dispensed with Scotch®™ ATG™ Applicator for convenience

- 3M™ Double Coated Foam Tapes**
- Carrier for easier handling
 - Dimensional stability
 - Mounting and holding for indoor applications



- 3M™ Double Coated Tapes**
- Carrier for easier handling
 - Dimensional stability
 - Many offer removability

- 3M™ VHB™ Foam Tapes**
- Carrier for easier handling
 - Dimensional stability
 - Mounting, holding and joining for outdoor applications
 - Very high bond strength and environmental resistance

Double Coated Foam Tapes



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Specifications for 3M™ Double Coated Foam Tapes

Product Number	Product Description (Backing/Adhesive)	Tape Thickness	Temperature Resistance		Typical Applications
			Min./Hr.	Days/Wk.	
Double Coated Tapes					
400	Paper carrier. Adhesive bonds well to many surfaces. Rubber adhesive.	0.005" (0.13 mm)	200°F (93°C)	150°F (66°C)	<ul style="list-style-type: none"> Bond grips on racquets and tools Core start/end tab of paper, foils and films
410	Paper carrier. Smooth adhesive on both sides provides unusually high adhesion to many surfaces. Rubber adhesive.	0.005" (0.13 mm)	200°F (93°C)	150°F (66°C)	<ul style="list-style-type: none"> Core start/end tab of papers, foils and films Attach outserts to pharmaceutical bottles Bond grips on racquets, clubs and tools
444	Clear 0.5 mil polyester carrier. Adhesive has good adhesion to most plastics, including polyethylenes. Acrylic adhesive.	0.004" (0.10 mm)	180°F (82°C)	150°F (65°C)	<ul style="list-style-type: none"> Seam styrene lamp shades. Bond gaskets and foils
665	Clear 1.5 mil UPVC film carrier. Slight differential tack. Linerless. Acrylic adhesive.	0.0035" (0.09 mm)	125°F (52°C)	125°F (52°C)	<ul style="list-style-type: none"> Reclosable adhesive for polybags. Attach outserts to pharmaceutical bottles. Attach microscope slides to paperboard holder.
Thick Double Coated Vinyl Tape					
4408	Black, closed-cell vinyl foam carrier.	0.125" (3,2 mm)	200°F (93°C)	150°F (66°C)	<ul style="list-style-type: none"> Mount indoor sign, nameplates and wall corner protectors to irregular surfaces Mount fiberglass trim panels in trailers. Hold polycarbonate panels in vending machines. Mount display screen in electronic scales.
4416	White or black, closed-cell vinyl foam carrier.	0.062" (1,6 mm)	200°F (93°C)	150°F (66°C)	
4432	White or black, closed-cell vinyl foam carrier.	0.031" (0,8 mm)	200°F (93°C)	150°F (66°C)	
Thick Double Coated PE Foam Tape					
4462	White or black, closed-cell polyethylene foam carrier. High tack adhesive.	0.031" (0,8 mm)	158°F (70°C)	120°F (49°C)	<ul style="list-style-type: none"> Attach hooks, wire clips and racks Mount retail shelf price channels Mount pen holders Window glazing Mount nameplates on awards and novelties Point of purchase displays and signs
4466	White or black, closed-cell polyethylene foam carrier. High tack adhesive.	0.062" (1,6 mm)	158°F (70°C)	120°F (49°C)	
4492	White or black, closed-cell polyethylene foam carrier. High shear adhesive with high temperature resistance.	0.031" (0,8 mm)	158°F (70°C)	120°F (49°C)	
4496	White or black, closed-cell polyethylene foam carrier. High shear adhesive with high temperature resistance.	0.062" (1,6 mm)	158°F (70°C)	120°F (49°C)	

Continued on next page

Specifications for 3M™ Double Coated Foam Tapes (continued)

Product Number	Product Description (Backing/Adhesive)	Tape Thickness	Temperature Resistance		Typical Applications	
			Min./Hr.	Days/Wk.		
Thick Double Coated Urethane Foam Tape						
4004	Off-white, open-cell urethane foam carrier Features high-shear adhesive with high-temperature resistance	0.250" (6,4 mm)	380°F (193°C)	220°F (104°C)	<ul style="list-style-type: none"> • Bond mirrors to walls or furniture • Bond acoustic panels to walls • Mount air fresheners • Mount soap dispensers • Mount interior signs and nameplates • Attach wire clips to various surfaces • Mount electrical channel to wall surfaces • Vibration damping for electronic components • Die cut pieces 	
4008	Off-white, open-cell urethane foam carrier Features high-shear adhesive with high-temperature resistance	0.125" (3.2 mm)	380°F (193°C)	220°F (104°C)		
4016	Off-white, open-cell urethane foam carrier Features high-shear adhesive with high-temperature resistance	0.062" (1,6 mm)	380°F (193°C)	220°F (104°C)		
4026	Off-white, open-cell urethane foam carrier Features high-shear adhesive with high-temperature resistance	0.062" (1,6 mm)	380°F (193°C)	220°F (104°C)		
4032	Off-white, open-cell urethane foam carrier Features high-shear adhesive with high-temperature resistance	0.031" (0,8 mm)	380°F (193°C)	220°F (104°C)		
4042	Off-white, open-cell urethane foam carrier Features high-tack adhesive	0.031" (0,8 mm)	200°F (93°C)	150°F (66°C)		
4046	Off-white, open-cell urethane foam carrier Features high-tack adhesive	0.062" (1,6 mm)	200°F (93°C)	150°F (66°C)		
4052	Black version of 4032 tape	0.031" (0,8 mm)	380°F (193°C)	220°F (104°C)		
4056	Black version of 4016 and 4026 tapes	0.062" (1,6 mm)	380°F (193°C)	220°F (104°C)		
4085	Off-white, open-cell urethane foam carrier. Features high-tack adhesive.	0.045" (1,1 mm)	200°F (93°C)	125°F (52°C)		• Core starting on metal cores
9579	Double coated high-tack hand-tearable film tape 3-mil polyethylene film carrier Rubber adhesive	0.009" (0.25 mm)	150°F (65°C)	120°F (49°C)		• Splicing rough or coated material

Ordering Information for 3M™ Double Coated Foam Tapes

Product Number	UPC (021200-)	Size	Inner Unit Pack	Case Qty.
Double Coated Crepe Paper Tape				
400 Bulk	03045	1/2" x 36 yd. (12 mm x 33 m)	rolls	72
400 Bulk	03046	3/4" x 36 yd. (19 mm x 33 m)	rolls	48
400 Bulk	03047	1" x 36 yd. (25,4 mm x 33 m)	rolls	36
400 Box	07131	1/2" x 36 yd. (12 mm x 33 m)	rolls	72
400 Box	07132	3/4" x 36 yd. (19 mm x 33 m)	rolls	48
400 Box	07133	1" x 36 yd. (25,4 mm x 33 m)	rolls	36
Double Coated Paper Tape				
410 Box	23820	1/2" x 36 yd. (12 mm x 33 m)	rolls	72
410 Box	23821	3/4" x 36 yd. (19 mm x 33 m)	rolls	48
410 Box	23822	1" x 36 yd. (25,4 mm x 33 m)	rolls	36
410 Box	64988	1/4" x 36 yd. (6,4 mm x 33 m)	rolls	144
410 Bulk	23823	1/4" x 36 yd. (6,4 mm x 33 m)	rolls	144
410 Bulk	23824	1" x 36 yd. (25,4 mm x 33 m)	rolls	36
410 Bulk	64995	1/2" x 36 yd. (12 mm x 33 m)	rolls	72
410 Bulk	64996	3/4" x 36 yd. (19 mm x 33 m)	rolls	48
Double Coated Polyester Tape				
444	04841	1/2" x 36 yd. (12 mm x 33 m)	rolls	36
444	04601	1" x 36 yd. (25,4 mm x 33 m)	rolls	72
Removable, Repositionable Tape				
665	04036	3/4" x 36 yd. (19 mm x 66 m)	rolls	48
665	04157	1/2" x 36 yd. (12 mm x 66 m)	rolls	72
665	04158	1" x 36 yd. (25,4 mm x 66 m)	rolls	36
1/8" Thick Double Coated Vinyl Foam Tape				
4408	03287	1/4" x 36 yd. (6,4 mm x 33 m)	rolls	36
4408	03288	3/8" x 36 yd. (10 mm x 33 m)	rolls	24
4408	03289	1/2" x 36 yd. (12 mm x 33 m)	rolls	18
4408	03290	3/4" x 36 yd. (19 mm x 33 m)	rolls	12
4408	03291	1" x 36 yd. (25,4 mm x 33 m)	rolls	9
4408	04885	2" x 36 yd. (51 mm x 33 m)	rolls	6
1/16" Thick Double Coated Vinyl Foam Tape				
4416B	03277	Black - 1/4" x 36 yd. (6,4 mm x 33 m)	rolls	36
4416B	03278	Black - 3/8" x 36 yd. (10 mm x 33 m)	rolls	24
4416B	03279	Black - 1/2" x 36 yd. (12 mm x 33 m)	rolls	18
4416B	03280	Black - 3/4" x 36 yd. (19 mm x 33 m)	rolls	12
4416B	03281	Black - 1" x 36 yd. (25,4 mm x 33 m)	rolls	9
4416B	03282	Black - 1-1/2" x 36 yd. (38 mm x 33 m)	rolls	6
4416B	04888	Black - 2" x 36 yd. (51 mm x 33 m)	rolls	6
4416W	03769	White - 1/4" x 36 yd. (6,4 mm x 33 m)	rolls	36
4416W	03272	White - 3/8" x 36 yd. (10 mm x 33 m)	rolls	24
4416W	03273	White - 1/2" x 36 yd. (12 mm x 33 m)	rolls	18
4416W	03274	White - 3/4" x 36 yd. (19 mm x 33 m)	rolls	12
4416W	03275	White - 1" x 36 yd. (25,4 mm x 33 m)	rolls	9
4416W	03276	White - 1-1/2" x 36 yd. (38 mm x 33 m)	rolls	6

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Ordering Information for 3M™ Double Coated Foam Tapes (continued)

Product Number	UPC (021200-)	Size	Inner Unit Pack	Case Qty.
1/32" Thick Double Coated Vinyl Foam Tape				
4432B	03299	Black - 3/8" x 72 yd. (10 mm x 66 m)	rolls	24
4432B	03300	Black - 1/2" x 72 yd. (12 mm x 66 m)	rolls	18
4432B	03301	Black - 3/4" x 72 yd. (19 mm x 66 m)	rolls	12
4432B	03302	Black - 1" x 72 yd. (25,4 mm x 66 m)	rolls	9
4432W	03294	White - 1/2" x 72 yd. (12 mm x 66 m)	rolls	18
4432W	03295	White - 3/4" x 72 yd. (19 mm x 66 m)	rolls	12
4432W	03296	White - 1" x 72 yd. (25,4 mm x 66 m)	rolls	9
1/32" Thick Double Coated PE Foam Tape				
4462B	30416	Black - 1/2" x 72 yd. (12 mm x 66 m)	rolls	18
4462B	30415	Black - 3/4" x 72 yd. (19 mm x 66 m)	rolls	12
4462B	30414	Black - 1" x 72 yd. (25,4 mm x 66 m)	rolls	9
4462W	24313	White - 1/2" x 72 yd. (12 mm x 66 m)	rolls	18
4462W	24312	White - 3/4" x 72 yd. (19 mm x 66 m)	rolls	12
4462W	24311	White - 1" x 72 yd. (25,4 mm x 66 m)	rolls	9
4492B	30422	Black - 1/2" x 72 yd. (12 mm x 66 m)	rolls	18
4492B	30421	Black - 3/4" x 72 yd. (19 mm x 66 m)	rolls	12
4492B	30420	Black - 1" x 72 yd. (25,4 mm x 66 m)	rolls	9
4492W	24317	White - 1/2" x 72 yd. (12 mm x 66 m)	rolls	18
4492W	24316	White - 3/4" x 72 yd. (19 mm x 66 m)	rolls	12
4492W	24315	White - 1" x 72 yd. (25,4 mm x 66 m)	rolls	9
1/16" Thick Double Coated PE Foam Tape				
4466B	30413	Black - 1/2" x 36 yd. (12 mm x 33 m)	rolls	18
4466B	30412	Black - 3/4" x 36 yd. (19 mm x 33 m)	rolls	12
4466B	30411	Black - 1" x 36 yd. (25,4 mm x 33 m)	rolls	9
4466W	24304	White - 1/2" x 36 yd. (12 mm x 33 m)	rolls	18
4466W	24303	White - 3/4" x 36 yd. (19 mm x 33 m)	rolls	12
4466W	24302	White - 1" x 36 yd. (25,4 mm x 33 m)	rolls	9
4496B	30425	Black - 1/2" x 36 yd. (12 mm x 33 m)	rolls	18
4496B	30424	Black - 3/4" x 36 yd. (19 mm x 33 m)	rolls	12
4496B	30423	Black - 1" x 36 yd. (25,4 mm x 33 m)	rolls	9
4496W	24308	White - 1/2" x 36 yd. (12 mm x 33 m)	rolls	18
4496W	24307	White - 3/4" x 36 yd. (19 mm x 33 m)	rolls	12
4496W	24306	White - 1" x 36 yd. (25,4 mm x 33 m)	rolls	9
1/4" Thick Double Coated Urethane Foam Tape				
4004	03392	1/2" x 18 yd. (12 mm x 17 m)	rolls	18
4004	03393	3/4" x 18 yd. (19 mm x 17 m)	rolls	12
4004	03394	1" x 18 yd. (25,4 mm x 17 m)	rolls	9
1/8" Thick Double Coated Urethane Foam Tape				
4008	03382	1/4" x 36 yd. (6,4 mm x 33 m)	rolls	36
4008	03383	3/8" x 36 yd. (9,5 mm x 33 m)	rolls	24
4008	06450	1/2" x 36 yd. (12 mm x 33 m)	rolls	18
4008	03889	5/8" x 36 yd. (15,9 mm x 33 m)	rolls	2
4008	06434*	3/4" x 36 yd. (19 mm x 33 m)	rolls	12
4008	06452	1" x 36 yd. (25,4 mm x 33 m)	rolls	9
4008	04862	2" x 36 yd. (51 mm x 33 m)	rolls	6
4008	03388	3" x 36 yd. (76 mm x 33 m)	rolls	3
4008	03390	4" x 36 yd. (102 mm x 33 m)	rolls	2
4008	15668	9" x 36 yd. (229 mm x 33 m)	rolls	1
4008	06439*	1" x 4 yd. (25,4 mm x 4 m)	boxed	5 rolls

*UPC prefix 051131-.

Continued on next page

Ordering Information for 3M™ Double Coated Foam Tapes

(continued)

Product Number	UPC (021200-)	Size	Inner Unit Pack	Case Qty.
1/16" Thick Double Coated Urethane Foam Tape				
4016	03371	1/4" x 36 yd. (6 mm x 33 m)	rolls	36
4016	03372	3/8" x 36 yd. (10 mm x 33 m)	rolls	24
4016	06453	1/2" x 36 yd. (13 mm x 33 m)	rolls	18
4016	06454	3/4" x 36 yd. (19 mm x 33 m)	rolls	12
4016	06455	1" x 36 yd. (25,4 mm x 33 m)	rolls	9
4016	03376	1-1/2" x 36 yd. (38 mm x 33 m)	rolls	6
4016	04865	2" x 36 yd. (51 mm x 33 m)	rolls	6
1/16" Thick Double Coated Urethane Foam Tape				
4026	17054	1/2" x 36 yd. (13 mm x 33 m)	rolls	18
4026	17055	5/8" x 36 yd. (16 mm x 33 m)	rolls	15
4026	17056	3/4" x 36 yd. (19 mm x 33 m)	rolls	12
4026	17057	1" x 36 yd. (25,4 mm x 33 m)	rolls	9
4026	18251	2" x 36 yd. (51 mm x 33 m)	rolls	6
4026	16992	3" x 36 yd. (76 mm x 33 m)	rolls	3
4026	06440*	1" x 6 yd. (25,4 mm x 5,5 m)	boxed	5 rolls
4026	06501*	1" x 6 yd. (25,4 mm x 5,5 m)	bulk	5 rolls
4026**	10224	3/4" x 3/4" (19 mm x 19 mm)	case	1000
4026**	10225	1" x 1" (25,4 mm x 25,4 mm)	case	1000
4026**	31658	4-1/2" x 6" (114 mm x 152 mm)	case	24,000
4026**	31657	6" x 8" (152 mm x 203 mm)	case	1
1/32" Thick Double Coated Urethane Foam Tape				
4032	03357	1/4" x 72 yd. (6 mm x 66 m)	rolls	36
4032	17460	3/8" x 72 yd. (10 mm x 66 m)	rolls	24
4032	06456	1/2" x 72 yd. (13 mm x 66 m)	rolls	18
4032	03364	5/8" x 72 yd. (16 mm x 66 m)	rolls	15
4032	06457	3/4" x 72 yd. (19 mm x 66 m)	rolls	12
4032	06458	1" x 72 yd. (25,4 mm x 66 m)	rolls	9
4032	04867	1-1/4" x 72 yd. (32 mm x 66 m)	rolls	6
4032	03362	1-1/2" x 72 yd. (38 mm x 66 m)	rolls	6
4032	04869	2" x 72 yd. (51 mm x 66 m)	rolls	6
4032	03368	4" x 72 yd. (102 mm x 66 m)	rolls	2
4032	03880	6" x 72 yd. (152 mm x 66 m)	rolls	2
4032	15669	9" x 72 yd. (229 mm x 66 m)	rolls	1
Double Coated Urethane Foam Tape				
4042	03677	1/2" x 72 yd. (13 mm x 66 m)	rolls	18
4042	04089	3/4" x 72 yd. (19 mm x 66 m)	rolls	12
4042	04048	1" x 72 yd. (25,4 mm x 66 m)	rolls	9
4046	04049	1/2" x 36 yd. (13 mm x 33 m)	rolls	18
4046	15672	1" x 36 yd. (25,4 mm x 33 m)	rolls	9
4052	14667	1/2" x 72 yd. (13 mm x 66 m)	rolls	18
4052	14618	3/4" x 72 yd. (19 mm x 66 m)	rolls	12
4052	14557	1" x 72 yd. (25,4 mm x 66 m)	rolls	9
4056	14668	1/2" x 36 yd. (13 mm x 33 m)	rolls	18
4056	14619	3/4" x 36 yd. (19 mm x 33 m)	rolls	12
4056	14558	1" x 36 yd. (25,4 mm x 33 m)	rolls	9

*UPC prefix 051131-

**Double Coated Foam (Cut Parts)

Continued on next page

Ordering Information for 3M™ Double Coated Foam Tapes (continued)

Product Number	UPC (021200-)	Size	Inner Unit Pack	Case Qty.
Double Coated Urethane Foam Tape				
4082	24392	1" x 72 yd. (13 mm x 66 m)	rolls	9
4082	25217	1/2" x 72 yd. (13 mm x 66 m)	rolls	18
4082	25218	3/4" x 72 yd. (19 mm x 66 m)	rolls	12
4084	24393	1" x 36 yd. (13 mm x 33 m)	rolls	9
4084	25219	1/2" x 36 yd. (13 mm x 33 m)	rolls	18
4084	25220	3/4" x 36 yd. (19 mm x 33 m)	rolls	12
4085	17660	1/2" x 72 yd. (13 mm x 66 m)	rolls	18
4085	17661	3/4" x 72 yd. (19 mm x 66 m)	rolls	12
4085	17662	1" x 72 yd. (25,4 mm x 66 m)	rolls	9
Double Coated Polypropylene Film Tape				
9579	65869	2" x 36 yd. (51 mm x 33 m)	rolls	24
9579	65870	1 1/2" x 36 yd. (38 mm x 33 m)	rolls	24
9579	65871	1" x 36 yd. (25,4 mm x 33 m)	rolls	36
9579	65872	3/4" x 36 yd. (19 mm x 33 m)	rolls	48
9579	65873	1/2" x 36 yd. (13 mm x 33 m)	rolls	72
Foam Tape Dispensers				
M-744	11089	Dispenser - 2"	each	1
M-87	11038	Definite Length Dispenser - Electric - 1"	each	1
M-89	13020	Definite Length Dispenser - Electric Foam - 1"	each	1

Single Coated Foam Tapes



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Specifications for 3M Single Coated Foam Tapes

Product Number	Product Description (Backing/Adhesive)	Tape Thickness	Temperature Range, Continuous	Typical Applications
Urethane				
4104*	Natural White, Acrylic A-25	0.250" (6 mm)	0 - 200°F (-18 - 93°C)	<p>A firm, rigid, open cell urethane foam. Excellent cushioning. Allows air or gas vapors to pass through. Adhesive offers high initial bond sealing to many surfaces with excellent shear strength and high temperature performance. Not recommended for outdoor use.</p> <ul style="list-style-type: none"> • A soft, conformable, low density foam used for sealing out air, dust and light when compressed 30% • Consistent thickness and good compressibility for an excellent, vibration-resistant seal • Used to help cushion, damp sound and absorb vibration in electronics
4108	Natural White, Acrylic A-25	0.125" (3 mm)	0 - 200°F (-18 - 93°C)	
4116	Natural White, Acrylic A-25	0.062" (1,5 mm)	0 - 200°F (-18 - 93°C)	
4314	Charcoal Gray, Acrylic A-30	0.250" (6 mm)	-20 - 150°F (-29 - 66°C)	
4317*	Charcoal Gray, Acrylic A-30	0.375" (9,5 mm)	-20 - 150°F (-29 - 66°C)	
4318	Charcoal Gray, Acrylic A-30	0.125" (3 mm)	-20 - 150°F (-29 - 66°C)	
Vinyl				
4504*	Black, Acrylic A-30	0.250" (6 mm)	0 - 150°F (-18 - 66°C)	<ul style="list-style-type: none"> • Durable, flexible, closed-cell vinyl foams with excellent aging characteristics • Weather resistant • Application ideas include dust and moisture seal for appliances, computers, copiers and other electronic and transportation equipment • Easily cut to length because of silicone liner
4508*	Black, Acrylic A-30	0.125" (3 mm)	0 - 150°F (-18 - 66°C)	
4516*	Black, Acrylic A-30	0.062" (1,5 mm)	0 - 150°F (-18 - 66°C)	
4714*	Black, Acrylic A-30	0.250" (6 mm)	0 - 150°F (-18 - 66°C)	
4518*	Black, Acrylic A-30	0.125" (3 mm)	0 - 150°F (-18 - 66°C)	
4726*	Black, Acrylic A-30	0.062" (1,5 mm)	0 - 150°F (-18 - 66°C)	

*Meets requirements of UL 94HBF.

Ordering Information for Single Coated Foam Tapes

Product Number	UPC (021200-)	Size	Inner Unit Pack	Case Qty.
4104	67598	1/2" x 18 yd. (12 mm x 17 m)	rolls	18
4104	03413	3/4" x 18 yd. (19 mm x 17 m)	rolls	12
4104	03414	1" x 18 yd. (25,4 mm x 17 m)	rolls	9
4108	03404	1/4" x 36 yd. (6,4 mm x 33 m)	rolls	36
4108	03406	1/2" x 36 yd. (12 mm x 33 m)	rolls	18
4108	03407	3/4" x 36 yd. (19 mm x 33 m)	rolls	12
4116	03400	1/2" x 36 yd. (12 mm x 33 m)	rolls	18
4116	03401	3/4" x 36 yd. (19 mm x 33 m)	rolls	12
4116	03402	1" x 36 yd. (25,4 mm x 33 m)	rolls	9
4314	06441*	1/2" x 18 yd. (12 mm x 17 m)	rolls	18
4314	06442*	3/4" x 18 yd. (19 mm x 17 m)	rolls	12
4314	06443*	1" x 18 yd. (25,4 mm x 17 m)	rolls	9
4314	67472	1-1/2" x 18 yd. (38 mm x 17 m)	rolls	6
4317	06444*	1/2" x 9 yd. (12 mm x 8 m)	rolls	18
4317	06445*	3/4" x 9 yd. (19 mm x 8 m)	rolls	12
4317	06446*	1" x 9 yd. (25,4 mm x 8 m)	rolls	9
4318	06447*	1/2" x 36 yd. (12 mm x 33 m)	rolls	18
4318	06448*	3/4" x 36 yd. (19 mm x 33 m)	rolls	12
4318	06449*	1" x 36 yd. (25,4 mm x 33 m)	rolls	9
4504	03318	1/2" x 18 yd. (38 mm x 17 m)	rolls	18
4504	03760	5/8" x 18 yd. (16 mm x 17 m)	rolls	15
4504	03320	1" x 18 yd. (25,4 mm x 17 m)	rolls	9
4508	03312	1/2" x 36 yd. (12 mm x 33 m)	rolls	18
4508	06375*	3/4" x 36 yd. (19 mm x 33 m)	rolls	12
4508	03314	1" x 36 yd. (25,4 mm x 33 m)	rolls	9
4516	03307	1/2" x 36 yd. (12 mm x 33 m)	rolls	18
4516	03308	3/4" x 36 yd. (19 mm x 33 m)	rolls	12
4516	03309	1" x 36 yd. (25,4 mm x 33 m)	rolls	9
4714	06471*	1/2" x 18 yd. (38 mm x 17 m)	rolls	18
4714	06472*	3/4" x 18 yd. (19 mm x 17 m)	rolls	12
4714	06473*	1" x 18 yd. (25,4 mm x 17 m)	rolls	9
4718	06474*	1/2" x 36 yd. (12 mm x 33 m)	rolls	18
4718	06475*	3/4" x 36 yd. (19 mm x 33 m)	rolls	12
4718	06476*	1" x 36 yd. (25,4 mm x 33 m)	rolls	9
4726	06477*	1/2" x 36 yd. (12 mm x 33 m)	bulk	18
4726	06478*	3/4" x 36 yd. (19 mm x 33 m)	bulk	12
4726	06479*	1" x 36 yd. (25,4 mm x 33 m)	bulk	9

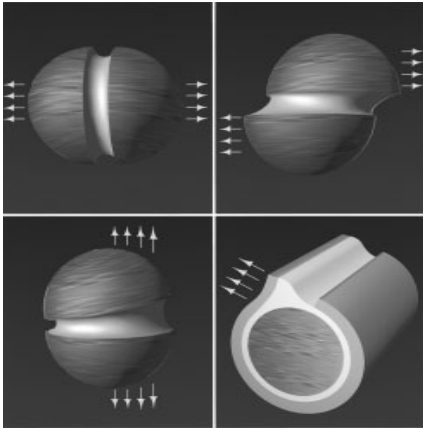
*UPC prefix 051131-.

3M™ VHB™ Tapes

3M 4900 Series VHB Tape

VHB Tapes bond with strength enough to replace rivets, bolts, welds and similar fastening methods. VHB Tapes' viscoelastic properties help absorb shock and distribute stress to eliminate concentrated stress points of mechanical or fusion fastening. The result – high holding power in static and dynamic loads.

One of the primary benefits of adhesive is that it holds something together resisting the stress trying to pull it apart.



Tensile stress

- is exerted equally over the entire joint straight and away from the adhesive bond

Shear stress

- is across the adhesive bond. The bonded materials are being forced to slide over each other

Cleavage stress

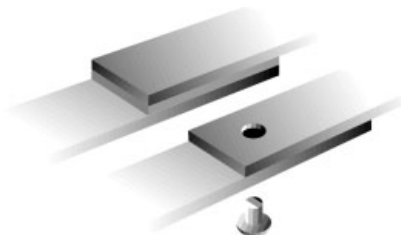
- is concentrated at one edge and exerts a prying force on the bond

Peel stress

- is concentrated along a thin line at the bond's edge. One surface is flexible

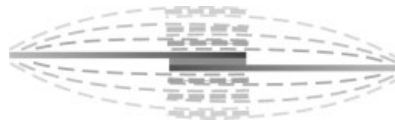
Most applications combine stresses. The following six points elaborate on the advantages of using adhesives for stress resistance and more.

- Uniform distribution of stress over the entire bonded area can eliminate stress concentration caused by rivets, spot welds and similar mechanical fastening. Lighter, thinner materials can often be used without sacrificing strength
- Bonding laminates of dissimilar materials can produce combinations superior in strength and performance to either adherent alone. Adhesive flexibility compensates for differences in coefficients of expansion



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- Elastomeric flexibility improves resistance to vibration fatigue
- Holes are eliminated to maintain the integrity of the bonded material. This can reduce finishing and increase design flexibility
- Continuous contact between mating surfaces can effectively bond and seal against many environmental conditions



- Costs can be cut by reducing material requirements and weight; eliminating drilling, welding, screwing, and similar operations, applications, and adhesives for thousands more

Specifications for VHB™ Tapes

Product Number	Product Description (Backing/Adhesive)	Tape Thickness	Temperature Resistance		Typical Applications
			Min./Hr.	Days/Wks	
VHB Tape					
4905*	Clear, closed-cell acrylic carrier. Excellent for joining transparent material.	0.020" (0,5 mm)	300°F (149°C)	200°F (93°C)	<ul style="list-style-type: none"> Seal between inner/outer dome of skylights Attach handle to sliding glass doors Mount back lit translucent signs Edge-bond resin filled glass
4910*	Clear, closed-cell acrylic carrier. Excellent for joining transparent material.	0.040" (1,0 mm)	300°F (149°C)	200°F (93°C)	
4930	White, closed-cell acrylic foam carrier. Features an all-purpose adhesive. UL Listing 746C.	0.025" (0,64 mm)	300°F (149°C)	200°F (93°C)	<ul style="list-style-type: none"> Attach stiffeners in air conditions, office furniture and telecommunications equipment Bond aluminum skin to steel support of trucks, vans, ambulances Bond architectural signs to frames
4950	White, closed-cell acrylic foam carrier. Features an all-purpose adhesive. UL Listing 746C.	0.045" (1,1 mm)	300°F (149°C)	200°F (93°C)	
4949*	Black version of 4950 tape.	0.045" (1,1 mm)	300°F (149°C)	200°F (93°C)	<ul style="list-style-type: none"> Attach letters and signs to windows Mount black trim
4945	White, closed-cell acrylic foam carrier. Plasticizer resistant. UL Listing 746C.	0.045" (1,1 mm)	300°F (149°C)	200°F (93°C)	<ul style="list-style-type: none"> Attach vinyl trim Bond vinyl extrusions to window frames Bond pre-painted truck and trailer skins
4936F*	Dark Gray, closed-cell acrylic foam carrier. Conformable. Good adhesion to many painted metals. Plasticizer resistant. UL Listing 746C.	0.025" (0,64 mm)	300°F (149°C)	200°F (93°C)	<ul style="list-style-type: none"> Bond muntin bars to windows Bond pre-painted metals in truck assembly Bond and seal plastic windows to pre-painted control panels/switch gear Mount vinyl wiring ducts and conduit channels
4941	Dark Gray, closed-cell acrylic foam carrier. Conformable. Good adhesion to many painted metals. Plasticizer resistant. UL Listing 746C.	0.045" (1,1 mm)	300°F (149°C)	200°F (93°C)	
4979F	Dark Gray, closed-cell acrylic foam carrier. Conformable. Good adhesion to many painted metals. Plasticizer resistant. UL Listing 746C.	0.045" (1,1 mm)	300°F (149°C)	200°F (93°C)	
4932	White, closed-cell acrylic foam carrier. Adhesive provides good adhesion to polypropylene and powder paints.	0.025" (0,64 mm)	200°F (93°C)	160°F (71°C)	
4952	White, closed-cell acrylic foam carrier. Adhesive provides good adhesion to polypropylene and powder paints.	0.045" (1,1 mm)	200°F (93°C)	160°F (71°C)	
4943F*	Gray conformable foam. Can be applied as low as 32°F (0°C).	0.045" (1,1 mm)	300°F (149°C)	200°F (93°C)	
4943F*	Gray conformable foam. Can be applied as low as 32°F (0°C).	0.045" (1,1 mm)	300°F (149°C)	200°F (93°C)	

*Film liner.

Ordering Information for 3M™ VHB™ Tapes

Product Number	UPC (021200-)	Size	Case Qty.
4905	87575	1/2" x 72 yd. (13 mm x 66 m)	4 rolls
4905	87576	3/4" x 72 yd. (19 mm x 66 m)	3 rolls
4905	87577	1" x 72 yd. (25,4 mm x 66 m)	2 rolls
4910	64588	1/2" x 36 yd. (13 mm x 33 m)	4 rolls
4910	64589	3/4" x 36 yd. (19 mm x 33 m)	3 rolls
4910	64590	1" x 36 yd. (25,4 mm x 33 m)	2 rolls
4930	64613	1/2" x 72 yd. (13 mm x 66 m)	4 rolls
4930	64614	3/4" x 72 yd. (19 mm x 66 m)	3 rolls
4930	64615	1" x 72 yd. (25,4 mm x 66 m)	2 rolls
4932	87580	1/2" x 72 yd. (13 mm x 66 m)	4 rolls
4932	87581	3/4" x 72 yd. (19 mm x 66 m)	3 rolls
4932	87582	1" x 72 yd. (25,4 mm x 66 m)	2 rolls
4936F	26194	1/2" x 72 yd. (13 mm x 66 m)	4 rolls
4936F	26193	3/4" x 72 yd. (19 mm x 66 m)	3 rolls
4936F	26192	1" x 72 yd. (25,4 mm x 66 m)	2 rolls
4941	64628	1/2" x 36 yd. (13 mm x 33 m)	4 rolls
4941	64629	3/4" x 36 yd. (19 mm x 33 m)	3 rolls
4941	64630	1" x 36 yd. (25,4 mm x 33 m)	2 rolls
4943F	30564	1/2" x 36 yd. (13 mm x 33 m)	4 rolls
4943F	30566	3/4" x 36 yd. (19 mm x 33 m)	3 rolls
4943F	30565	1" x 36 yd. (25,4 mm x 33 m)	2 rolls
4945	64633	1/2" x 36 yd. (13 mm x 33 m)	4 rolls
4945	64634	3/4" x 36 yd. (19 mm x 33 m)	3 rolls
4945	64635	1" x 36 yd. (25,4 mm x 33 m)	2 rolls
4949	64643	1/2" x 36 yd. (13 mm x 33 m)	4 rolls
4949	64644	3/4" x 36 yd. (19 mm x 33 m)	3 rolls
4949	64645	1" x 36 yd. (25,4 mm x 33 m)	2 rolls
4950	64648	1/2" x 36 yd. (13 mm x 33 m)	4 rolls
4950	64649	3/4" x 36 yd. (19 mm x 33 m)	3 rolls
4950	64650	1" x 36 yd. (25,4 mm x 33 m)	2 rolls
4952	87585	1/2" x 36 yd. (13 mm x 33 m)	4 rolls
4952	87586	3/4" x 36 yd. (19 mm x 33 m)	3 rolls
4952	87587	1" x 36 yd. (25,4 mm x 33 m)	2 rolls
4979F	30563	1/2" x 36 yd. (13 mm x 33 m)	4 rolls
4979F	30562	3/4" x 36 yd. (19 mm x 33 m)	3 rolls
4979F	30561	1" x 36 yd. (25,4 mm x 33 m)	2 rolls

Plastic Film Tapes

3M offers a variety of pressure-sensitive tape systems designed to help you organize space, point people in the right direction, delineate boundaries and hazards or provide “lights out” guidance. These systems—products and applicators—are engineered to help you safely and effectively communicate a visual message to your employees.

We’ve incorporated some important features into these products that make them the best choice for your marking applications. The tapes feature backings with color built into the tape, not printed on top. This helps ensure long-lasting color retention. On the underside we utilize aggressive adhesives that stay put on most surfaces, which helps avoid lifted edges and tears. However, knowing you may want to replace the tape or move equipment or aisles, we’ve made the adhesive removable with minimal clean-up required.

Applications for 3M tape marking systems can be found throughout your facility whether you're in an industrial or warehouse environment, a healthcare facility or even a school gymnasium. Use this guide to help you select the right system for your application.

3M™ 471 Tape



3M 471 Tape (yellow) is commonly used for general floor marking for pedestrian and forklift traffic and on bays and loading docks. The red color is popular for marking fire extinguishers, while green is used around safety showers, eye washes and first aid kits. The yellow and orange colors are great for color-coding

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pipes, equipment pinch points, and low clearance areas.

3M™ 474 Vinyl Tape

3M 474 Vinyl Tape has an extra wear life for many application that require resistance from abrasion, such as aisle marking



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3M 5700 and 5702 Safety Stripe Tape

3M 5700 (white and black diagonal stripes) and 5702 Safety Stripe Tape (yellow and black diagonal stripes) are popular for marking stairway and unrestricted areas. They help identify overhead hazards and dangerous pinch areas on equipment.

Tape Versus Paint	
Tape	Paint
Easy Application	Labor Intense Installation
Instant Adhesion	Dry Time Required
Clean Removal	Difficult Removal
Easy Storage and Disposal	May Require Special Storage and Disposal

Ordering Information for Plastic Film Tape

Product Number	Color	UPC (021200-)	Size	Inner Unit Pack	Case Qty.
3M™ 471 Tape					
471	Black	03113	1/2" x 36 yd (12,7 mm x 32,9 m)	bulk	72 rolls
471	Black	03114	3/4" x 36 yd (19,05 mm x 32,9 m)	bulk	48 rolls
471	Black	03115	1" x 36 yd (25,4 mm x 32,9 m)	bulk	36 rolls
471	Black	03116	1-1/2" x 36 yd (38,1 mm x 32,9 m)	bulk	24 rolls
471	Black	03118	4" x 36 yd (101,6 mm x 32,9 m)	bulk	8 rolls
471	Black	04306	2" x 36 yd (50,8 mm x 32,9 m)	bulk	24 rolls
471	Black	05808	3/4" x 36 yd (19,05 mm x 32,9 m)	bulk	48 rolls
471	Black	06415	1" x 36 yd (25,4 mm x 32,9 m)	bulk	36 rolls
471	Black	06425	2" x 36 yd (50,8 mm x 32,9 m)	bulk	24 rolls
471	Black	06467	3" x 36 yd (76,2 mm x 32,9 m)	bulk	12 rolls
471	Black	07196	1/4" x 36 yd (6,35 mm x 32,9 m)	bulk	144 rolls
471	Black	07197	3/8" x 36 yd (9,52 mm x 32,9 m)	bulk	96 rolls
471	Black	07198	1/2" x 36 yd (12,7 mm x 32,9 m)	bulk	72 rolls
471	Black	07200	1-1/2" x 36 yd (38,1 mm x 32,9 m)	bulk	24 rolls
471	Blue	03119	1/2" x 36 yd (12,7 mm x 32,9 m)	bulk	72 rolls
471	Blue	03120	3/4" x 36 yd (19,05 mm x 32,9 m)	bulk	48 rolls
471	Blue	03121	1" x 36 yd (25,4 mm x 32,9 m)	bulk	36 rolls
471	Blue	03122	3" x 36 yd (76,2 mm x 32,9 m)	bulk	12 rolls
471	Blue	03786	1-1/2" x 36 yd (38,1 mm x 32,9 m)	bulk	24 rolls
471	Blue	04308	2" x 36 yd (50,8 mm x 32,9 m)	bulk	24 rolls
471	Blue	06404	1/8" x 36 yd (3,17 mm x 32,9 m)	bulk	288 rolls
471	Blue	06409	3/4" x 36 yd (19,05 mm x 32,9 m)	bulk	48 rolls
471	Blue	07170	2" x 36 yd (50,8 mm x 32,9 m)	bulk	24 rolls
471	Blue	07203	1/2" x 36 yd (12,7 mm x 32,9 m)	bulk	72 rolls
471	Blue	07204	1" x 36 yd (25,4 mm x 32,9 m)	bulk	36 rolls
471	Blue	61192	1/4" x 36 yd (6,35 mm x 32,9 m)	bulk	144 rolls
471	Blue	61221	1/4" x 36 yd (6,35 mm x 32,9 m)	bulk	144 rolls
471	Blue	85611	3/8" x 36 yd (9,52 mm x 32,9 m)	bulk	96 rolls
471	Brown	03124	1" x 36 yd (25,4 mm x 32,9 m)	bulk	36 rolls
471	Brown	03976	1/2" x 36 yd (12,7 mm x 32,9 m)	bulk	72 rolls
471	Brown	04309	2" x 36 yd (50,8 mm x 32,9 m)	bulk	24 rolls
471	Brown	05112	3/4" x 36 yd (19,05 mm x 32,9 m)	bulk	48 rolls
471	Brown	05113	3" x 36 yd (76,2 mm x 32,9 m)	bulk	12 rolls
471	Brown	25171	1" x 36 yd (25,4 mm x 32,9 m)	bulk	36 rolls
471	Green	03143	1/2" x 36 yd (12,7 mm x 32,9 m)	bulk	72 rolls
471	Green	03144	3/4" x 36 yd (19,05 mm x 32,9 m)	bulk	48 rolls
471	Green	03145	1" x 36 yd (25,4 mm x 32,9 m)	bulk	36 rolls
471	Green	04313	2" x 36 yd (50,8 mm x 32,9 m)	bulk	24 rolls
471	Green	05130	1/4" x 36 yd (6,35 mm x 32,9 m)	bulk	144 rolls
471	Green	05830	1/4" x 36 yd (6,35 mm x 32,9 m)	bulk	144 rolls
471	Green	05831	3/4" x 36 yd (19,05 mm x 32,9 m)	bulk	48 rolls
471	Green	06423	2" x 36 yd (50,8 mm x 32,9 m)	bulk	24 rolls
471	Green	06468	3" x 36 yd (76,2 mm x 32,9 m)	bulk	12 rolls
471	Green	07233	1/2" x 36 yd (12,7 mm x 32,9 m)	bulk	72 rolls
471	Green	07234	1" x 36 yd (25,4 mm x 32,9 m)	bulk	36 rolls
471	Orange	03140	1" x 36 yd (25,4 mm x 32,9 m)	bulk	36 rolls
471	Orange	03980	3/4" x 36 yd (19,05 mm x 32,9 m)	bulk	48 rolls
471	Orange	03996	1/2" x 36 yd (12,7 mm x 32,9 m)	bulk	72 rolls
471	Orange	04312	2" x 36 yd (50,8 mm x 32,9 m)	bulk	24 rolls
471	Orange	05826	1/4" x 36 yd (6,35 mm x 32,9 m)	bulk	144 rolls

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Ordering Information for Plastic Film Tape (continued)

Product Number	Color	UPC (021200-)	Size	Inner Unit Pack	Case Qty.
471	Orange	07473	1/2" x 36 yd (12,7 mm x 32,9 m)	bulk	72 rolls
471	Orange	07474	1" x 36 yd (25,4 mm x 32,9 m)	bulk	36 rolls
471	Purple	37741	1" x 36 yd (25,4 mm x 32,9 m)	bulk	36 rolls
471	Purple	85695	1" x 36 yd (25,4 mm x 32,9 m)	bulk	36 rolls
471	Red	03104	3/8" x 36 yd (9,52 mm x 32,9 m)	bulk	96 rolls
471	Red	03105	1/2" x 36 yd (12,7 mm x 32,9 m)	bulk	72 rolls
471	Red	03106	3/4" x 36 yd (19,05 mm x 32,9 m)	bulk	48 rolls
471	Red	03107	1" x 36 yd (25,4 mm x 32,9 m)	bulk	36 rolls
471	Red	03108	1-1/2" x 36 yd (38,1 mm x 32,9 m)	bulk	24 rolls
471	Red	03110	4" x 36 yd (101,6 mm x 32,9 m)	bulk	8 rolls
471	Red	04305	2" x 36 yd (50,8 mm x 32,9 m)	bulk	24 rolls
471	Red	05108	1/4" x 36 yd (6,35 mm x 32,9 m)	bulk	144 rolls
471	Red	05805	3/4" x 36 yd (19,05 mm x 32,9 m)	bulk	48 rolls
471	Red	06424	2" x 36 yd (50,8 mm x 32,9 m)	bulk	24 rolls
471	Red	06469	3" x 36 yd (76,2 mm x 32,9 m)	bulk	12 rolls
471	Red	07193	1" x 36 yd (25,4 mm x 32,9 m)	bulk	36 rolls
471	Red	07205	1/4" x 36 yd (6,35 mm x 32,9 m)	bulk	144 rolls
471	Red	07206	3/8" x 36 yd (9,52 mm x 32,9 m)	bulk	96 rolls
471	Red	07207	1/2" x 36 yd (12,7 mm x 32,9 m)	bulk	72 rolls
471	Red/Orange	03247	1" x 36 yd (25,4 mm x 32,9 m)	bulk	36 rolls
471	Red/Orange	03248	3" x 36 yd (76,2 mm x 32,9 m)	bulk	12 rolls
471	Red/Orange	04315	2" x 36 yd (50,8 mm x 32,9 m)	bulk	24 rolls
471	Red/Orange	07225	2" x 36 yd (50,8 mm x 32,9 m)	bulk	24 rolls
471	Red/Orange	25170	1" x 36 yd (25,4 mm x 32,9 m)	bulk	36 rolls
471	Translucent	03098	1/2" x 36 yd (12,7 mm x 32,9 m)	bulk	72 rolls
471	Translucent	03099	3/4" x 36 yd (19,05 mm x 32,9 m)	bulk	48 rolls
471	Translucent	03100	1" x 36 yd (25,4 mm x 32,9 m)	bulk	36 rolls
471	Translucent	03101	1-1/2" x 36 yd (38,1 mm x 32,9 m)	bulk	24 rolls
471	Translucent	03102	3" x 36 yd (76,2 mm x 32,9 m)	bulk	12 rolls
471	Translucent	04314	2" x 36 yd (50,8 mm x 32,9 m)	bulk	24 rolls
471	Translucent	05802	3/4" x 36 yd (19,05 mm x 32,9 m)	bulk	48 rolls
471	Translucent	07226	1" x 36 yd (25,4 mm x 32,9 m)	bulk	36 rolls
471	Translucent	07228	2" x 36 yd (50,8 mm x 32,9 m)	bulk	24 rolls
471	White	03133	1/4" x 36 yd (6,35 mm x 32,9 m)	bulk	144 rolls
471	White	03134	1/2" x 36 yd (12,7 mm x 32,9 m)	bulk	72 rolls
471	White	03135	3/4" x 36 yd (19,05 mm x 32,9 m)	bulk	48 rolls
471	White	03136	1" x 36 yd (25,4 mm x 32,9 m)	bulk	36 rolls
471	White	03137	1-1/2" x 36 yd (38,1 mm x 32,9 m)	bulk	24 rolls
471	White	03139	4" x 36 yd (101,6 mm x 32,9 m)	bulk	8 rolls
471	White	03994	3/8" x 36 yd (9,52 mm x 32,9 m)	bulk	96 rolls
471	White	04311	2" x 36 yd (50,8 mm x 32,9 m)	bulk	24 rolls
471	White	05822	1/4" x 36 yd (6,35 mm x 32,9 m)	bulk	144 rolls
471	White	05823	3/4" x 36 yd (19,05 mm x 32,9 m)	bulk	48 rolls
471	White	06421	2" x 36 yd (50,8 mm x 32,9 m)	bulk	24 rolls
471	White	06466	3" x 36 yd (76,2 mm x 32,9 m)	bulk	12 rolls
471	White	07186	1/2" x 36 yd (12,7 mm x 32,9 m)	bulk	72 rolls
471	White	07187	1" x 36 yd (25,4 mm x 32,9 m)	bulk	36 rolls
471	White	07188	1-1/2" x 36 yd (38,1 mm x 32,9 m)	bulk	24 rolls
471	Yellow	03126	1/2" x 36 yd (12,7 mm x 32,9 m)	bulk	72 rolls
471	Yellow	03127	3/4" x 36 yd (19,05 mm x 32,9 m)	bulk	48 rolls
471	Yellow	03128	1" x 36 yd (25,4 mm x 32,9 m)	bulk	36 rolls

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Ordering Information for Plastic Film Tape (continued)

Product Number	Color	UPC (021200-)	Size	Inner Unit Pack	Case Qty.
471	Yellow	03129	1-1/2" x 36 yd (38,1 mm x 32,9 m)	bulk	24 rolls
471	Yellow	03131	4" x 36 yd (101,6 mm x 32,9 m)	bulk	8 rolls
471	Yellow	06470	3" x 36 yd (76,2 mm x 32,9 m)	bulk	12 rolls
471	Yellow	05117	1/4" x 36 yd (6,35 mm x 32,9 m)	bulk	144 rolls
471	Yellow	05812	1/4" x 36 yd (6,35 mm x 32,9 m)	bulk	144 rolls
471	Yellow	05819	3/4" x 36 yd (19,05 mm x 32,9 m)	bulk	48 rolls
471	Yellow	06410	1" x 36 yd (25,4 mm x 32,9 m)	bulk	36 rolls
471	Yellow	06420	2" x 36 yd (50,8 mm x 32,9 m)	bulk	24 rolls
471	Yellow	04310	2" x 36 yd (50,8 mm x 32,9 m)	bulk	24 rolls
471	Yellow	07180	1/2" x 36 yd (12,7 mm x 32,9 m)	bulk	72 rolls
471	Yellow	07182	1-1/2" x 36 yd (38,1 mm x 32,9 m)	bulk	24 rolls
3M 474 Tape					
474	Silver	03160	1" x 36 yd (25,4 mm x 32,9 m)	bulk	36 rolls
474	Silver	03162	3" x 36 yd (76,2 mm x 32,9 m)	bulk	12 rolls
474	Silver	04318	2" x 36 yd (50,8 mm x 32,9 m)	bulk	24 rolls
3M 5700 and 5702 Tapes					
5700	Black & White	03954	3" x 36 yd (76,2 mm x 32,9 m)	bulk	12 rolls
5700	Black & White	04367	2" x 36 yd (50,8 mm x 32,9 m)	bulk	24 rolls
5702	Black & Yellow	03951	3" x 36 yd (76,2 mm x 32,9 m)	bulk	12 rolls
5702	Black & Yellow	03952	4" x 36 yd (101,6 mm x 32,9 m)	bulk	8 rolls
5702	Black & Yellow	04585	2" x 36 yd (50,8 mm x 32,9 m)	bulk	24 rolls

Polyester Film Tapes

3M™ 850 Polyester Transparent Tape

3M 850 Polyester Transparent Tape is a thin caliper, long term aging polyester tape with acrylic adhesive. It is recommended for splicing, holding, decorating, color coding, or sealing.

Ordering Information for Polyester Film Tape

Product Number	Color	UPC (021200-)	Size	Inner Unit Pack	Case Qty.
3M 850 Polyester Film Tape					
850	Black	03574	1" x 72 yd (25,4 mm x 65,84 m)	bulk	36 rolls
850	Black	03865	3/4" x 72 yd (19,05 mm x 65,84 m)	bulk	48 rolls
850	Black	04078	1/2" x 72 yd (12,7 mm x 65,84 m)	bulk	72 rolls
850	Black	04348	2" x 72 yd (50,8 mm x 65,84 m)	bulk	24 rolls
850	Black	05907	3/4" x 72 yd (19,05 mm x 65,84 m)	bulk	48 boxes
850	Black	07392	1/2" x 72 yd (12,7 mm x 65,84 m)	bulk	72 boxes
850	Black	07393	1" x 72 yd (25,4 mm x 65,84 m)	bulk	36 boxes
850	Black	19355	1/4" x 72 yd (6,35 mm x 65,84 m)	bulk	144 boxes
850	Gold	03582	1/2" x 72 yd (12,7 mm x 65,84 m)	bulk	72 rolls
850	Gold	03584	1" x 72 yd (25,4 mm x 65,84 m)	bulk	36 rolls
850	Gold	37719	1/4" x 72 yd (6,35 mm x 65,84 m)	bulk	144 boxes
850	Red	03573	1" x 72 yd (25,4 mm x 65,84 m)	bulk	36 boxes
850	Red	04347	2" x 72 yd (50,8 mm x 65,84 m)	bulk	24 rolls
850	Red	12336	1-1/4" x 72 yd (31,75 mm x 65,84 m)	bulk	24 rolls
850	Silver	03577	1/2" x 72 yd (12,7 mm x 65,84 m)	bulk	72 rolls
850	Silver	03578	3/4" x 72 yd (19,05 mm x 65,84 m)	bulk	48 rolls
850	Silver	03579	1" x 72 yd (25,4 mm x 65,84 m)	bulk	36 rolls
850	Silver	03580	3" x 72 yd (76,2 mm x 65,84 m)	bulk	12 rolls
850	Silver	04147	3/8" x 72 yd (9,52 mm x 65,84 m)	bulk	96 rolls
850	Silver	04350	2" x 72 yd (50,8 mm x 65,84 m)	bulk	24 rolls
850	Silver	05909	3/4" x 72 yd (19,05 mm x 65,84 m)	bulk	48 boxes
850	Silver	07398	1/4" x 72 yd (6,35 mm x 65,84 m)	bulk	144 boxes
850	Silver	07399	3/8" x 72 yd (9,52 mm x 65,84 m)	bulk	96 boxes
850	Silver	07400	1/2" x 72 yd (12,7 mm x 65,84 m)	bulk	72 boxes
850	Silver	07401	1" x 72 yd (25,4 mm x 65,84 m)	bulk	36 boxes
850	Translucent	03567	1/2" x 72 yd (12,7 mm x 65,84 m)	bulk	72 rolls
850	Translucent	03568	3/4" x 72 yd (19,05 mm x 65,84 m)	bulk	48 rolls
850	Translucent	03569	1" x 72 yd (25,4 mm x 65,84 m)	bulk	36 rolls
850	Translucent	03570	1-1/2" x 72 yd (38,1 mm x 65,84 m)	bulk	24 rolls
850	Translucent	03868	3/8" x 72 yd (9,52 mm x 65,84 m)	bulk	96 rolls
850	Translucent	03917	3" x 72 yd (76,2 mm x 65,84 m)	bulk	12 rolls
850	Translucent	04351	2" x 72 yd (50,8 mm x 65,84 m)	bulk	24 rolls
850	Translucent	05905	3/4" x 72 yd (19,05 mm x 65,84 m)	bulk	48 boxes
850	Translucent	07409	3/8" x 72 yd (9,52 mm x 65,84 m)	bulk	96 boxes
850	Translucent	07410	1/2" x 72 yd (12,7 mm x 65,84 m)	bulk	72 boxes
850	Translucent	07411	1" x 72 yd (25,4 mm x 65,84 m)	bulk	36 boxes
850	White	03575	1/2" x 72 yd (12,7 mm x 65,84 m)	bulk	72 rolls
850	White	03919	1" x 72 yd (25,4 mm x 65,84 m)	bulk	36 rolls
850	White	07396	1/2" x 72 yd (12,7 mm x 65,84 m)	bulk	72 boxes

ATG Adhesive Transfer Tapes



Scotch® 924 Adhesive Transfer Tape



This general purpose tape provides excellent adhesion to most paper stocks. Try 924 tape for sealing pockets in folders; bonding matte board in picture frames; splicing paper, films, and rolls; and all other general purpose bindary attaching.

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Scotch® 969 Adhesive Transfer Tape

Scotch 969 high tack tape provides excellent adhesion to most plastics. 969 tape attaches fabric swatches in sample books; assembles point-of-purchase displays; and bonds trim strips to furniture of luggage.

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Scotch® ATG-752 Adhesive Applicator

With the ATG-752, a touch of the finger triggers quick, controlled application of a strip of Scotch ATG pressure sensitive transfer tape. This extended roller "nose" helps improve sight line for precise adhesive application.

3M™ M-77 Lane Marking Dispenser

3M M-77 Lane Marking Dispenser enables one person to quickly apply 3M Lane Marking and Identification Tapes 471, 5700, and 5702 simply by walking along the area to be marked. It uses 36 yard rolls of tape in widths up to 4".

Ordering Information for ATG Adhesive Transfer Tapes

Product Number	UPC (021200-)	Size	Inner Unit Pack	Case Qty.
Scotch 924 Tape				
924	03331	1/2" x 36 yd (12,7 mm x 32,92 m)	bulk	72 rolls
924	03332	3/4" x 36 yd (19.05 mm x 32,92 m)	bulk	48 rolls
924	04406	2" x 36 yd (50,8 mm x 32,92 m)	bulk	24 rolls
924	05865	1/2" x 36 yd (12,7 mm x 32,92 m)	bulk	72 boxes
924	05866	3/4" x 36 yd (19.05 mm x 32,92 m)	bulk	48 boxes
924	15680	1/2" x 60 yd (12,7 mm x 54,86 m)	bulk	72 rolls
924	15681	3/4" x 60 yd (19.05 mm x 54,86 m)	bulk	48 rolls
924	19260	2" x 60 yd (50,8 mm x 54,86 m)	bulk	24 rolls
924	67220	1/4" x 36 yd (6,35 mm x 32,92 m)	bulk	72 rolls
924-100	06498*	1/2" x 11 yd (12,7 mm x 10,06 m)	bulk	72 rolls
924-100	26736	1/2" x 11 yd (12,7 mm x 10,06 m)	bulk	72 boxes
Scotch 969 Tape				
969	05671	1/2" x 18 yd (12,7 mm x 16,46 m)	bulk	72 rolls
969	05672	3/4" x 18 yd (19.05 mm x 16,46 m)	bulk	48 rolls
969	15682	1/2" x 36 yd (12,7 mm x 32,92 m)	bulk	72 rolls
969	15683	3/4" x 36 yd (19.05 mm x 32,92 m)	bulk	48 rolls
969	19261	2" x 36 yd (50,8 mm x 32,92 m)	bulk	24 rolls
969	67667	1/4" x 18 yd (6,35 mm x 16,46 m)	bulk	72 rolls
969	87399	1/4" x 36 yd (6,35 mm x 32,92 m)	bulk	144 rolls
969-100	87750	1/2" x 11 yd (12,7 mm x 10,06 m)	bulk	72 rolls
Scotch ATG-752 Adhesive Transfer Applicator				
	06927	N/A	bulk	6 each
Scotch ATG-752 1/4" Adaptor Kit				
	06934*	N/A	bulk	6 each
3M M-77 3M Lane Marking Applicator				
	12951	N/A	bulk	1 each

* UPC prefix 051131-

Packaging and Palletizing Tapes

Customers stick with 3M tape because they know they are buying the best for their money. Part of being the best is innovation and reliability. Take our Scotch® 3750 Box Sealing Tape, as an example. Its innovative, high strength Scotchpro™ backing provides superior performance. And, our Scotch® 8884 and 8886 palletizing tapes reduce the material cost and volume required to bundle and unitize products compared to conventional alternatives.

3M has a wide line of Scotch® packing tapes for your needs, including label protection and pouch tapes.

Our Highland™ and Temflex™ brand packaging tapes are a general purpose alternative to the Scotch® brand line. 3M provides a wide range of tapes to meet our customers' needs.



Scotch® 3750 Superior Performance Box Sealing Tape

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Features — Advantages — Benefits

3750

High quality, pressure sensitive adhesive

Superior quick stick and adhesion

Applies easily, saves time, reduces closure failures, helps assure safe delivery of product

High strength Scotchpro backing

User friendly

Reduces closure failures during shipping and storage. Efficient handling for manual application

Specifications for Box Sealing Tapes





	Product Number	Product Description	Tape Thickness	Temperature Rating	Typical Applications
	Scotch® 3750 Superior Performance Box Sealing Tape	Superior performance packaging tape used for heavy-duty packaging applications.	3.2 mils	short term: 151°F (65°C)	Single strip closure of regular slotted containers (RSCS)
	Scotch® 3732 and 3734 Printed Box Sealing Tape	3732- "If seal is broken check" 3734- "Fragile handle with care" Tan with red printing	N/A	N/A	Box sealing with warnings
	Highland 3710 Commercial Box Sealing Tape	Commercial grade box sealing tape.	2 mil	short term: 151°F (65°C)	General purpose closure of regular slotted containers (RSCS)
	Scotch® H-122 Box Sealing Hand Dispensers	Box sealing Hand dispensers	N/A	N/A	Box sealing
	Highland 3770 Series Printed Box Sealing Tape	3771- "If Seal is Broken Check Contents Before Accepting" 3772- "Fragile Handle with Care" 3773- "Rush, Rush, Rush" 3774- "This Side Up" 3775- "Mixed Merchandise"	1.9 mil	N/A	Utility sealing and identification
	Highland 371 Industrial Packaging Tape	Industrial packaging tape	1.9 mil	N/A	Box sealing, splicing and recovery

Ordering Information for Box Sealing Tapes

Product Number	UPC (021200-)	Size	Inner Unit Pack	Case Qty.
Scotch® 3750 Premium Commercial Box Sealing Tape				
3750 Clear	06640*	48 mm x 50 m (1-4/5" x 54 yd.)	N/A	36 rolls
3750 Tan	72439	48 mm x 50 m (1-4/5" x 54 yd.)	1/pack	36 packs
3750 Clear	72441	48 mm x 50 m (1-4/5" x 54 yd.)	1/pack	36 packs
3750-DD (Clear)	06648*	With disposable dispenser: 1-4/5" x 54 yd. (48 mm x 50 m)	N/A	24 rolls
3750-DD (Tan)	06647*	With disposable dispenser: 1-4/5" x 54 yd. (48 mm x 50 m)	N/A	24 rolls
Scotch® 3732 and 3734 Printed Box Sealing Tape				
3732	72415*	1-4/5" x 109 yd. 48 mm x 100 m	bulk	36 rolls
3734	72417*	1-4/5" x 109 yd. 48 mm x 100 m	bulk	36 rolls
Highland™ 3710 Commercial Box Sealing Tape				
3710 Tan	14765	1-4/5" x 54 yd. (48 mm x 50 m)	bulk	36 rolls
3710 Tan	18814	1-4/5" x 109 yd. (48 mm x 100 m)	bulk	36 rolls
3710 Clear	14766	1-4/5" x 54 yd. (48 mm x 50 m)	bulk	36 rolls
3710 Clear	18813	1-4/5" x 109 yd. (48 mm x 100 m)	bulk	36 rolls
Scotch® H-122 Box Sealing Hand Dispensers				
H-122	06925	2" (50,8 mm)	1 each	8 dispensers
Highland 3770 Series Printed Box Sealing Tape				
3771 (red on white)	72301	1-9/10" x 104 yd. (48 mm x 100 m)	bulk	36 rolls
3772 (red on white)	72304	1-9/10" x 104 yd. (48 mm x 100 m)	bulk	36 rolls
3773 (red on white)	72307	1-9/10" x 104 yd. (48 mm x 100 m)	bulk	36 rolls
3774 (red on white)	72454	1-9/10" x 104 yd. (48 mm x 100 m)	bulk	36 rolls
3775 (red on white)	72458	1-9/10" x 104 yd. (48 mm x 100 m)	bulk	36 rolls
Highland 371 Industrial Box Sealing Tape				
371(Clear)	19279	2-4/5" x 54.6 yd. (72 mm x 50 mm)	bulk	24 rolls
371(Clear)	19280	2-4/5" x 109.3 yd. (72 mm x 100 mm)	bulk	24 rolls
371(Tan)	18197	2-4/5" x 54.6 yd. (72 mm x 50 mm)	bulk	24 rolls
371(Tan)	61525	2-4/5" x 109.3 yd. (72 mm x 100 mm)	bulk	24 rolls

*UPC prefix 051131-.

Specifications for Filament Tapes

Product Number	Product Description	Tape Thickness	Temperature Rating	Typical Applications
 Scotch® 893 Industrial Grade Filament Tape	Industrial grade filament and packaging tape that is abrasion and moisture resistant.	6 mil	short term: 151°F (65°C)	High performance and long term adhesion for strapping and reinforcing
 Highland 897 Commercial Grade Filament Tape	Commercial grade filament tape with synthetic rubber resin adhesive.	6 mil	120°F (50°C)	General purpose, bundling and reinforcing
 Scotch® H-10 Filament Tape Dispensers	Filament Tape dispensers	N/A	N/A	Box sealing
 Scotch® H-180 Box Sealing Roll-on Dispensers	Box sealing Roll-on dispensers	N/A	N/A	Box sealing




Ordering Information for Filament Tapes

Product Number	UPC (021200-)	Size	Inner Unit Pack	Case Qty.
Scotch® 893 Industrial Grade Filament Tape†				
893	06937*	12,7 mm x 54,8 m (1/2" x 60 yd.)	bulk	72 rolls
893	06938*	19 mm x 54,8 m (3/4" x 60 yd.)	bulk	48 rolls
893	06939*	25,4 mm x 54,8 m (1" x 60 yd.)	bulk	36 rolls
Highland™ 897 Commercial Filament Tape†				
897	86523	12,7 mm x 54,8 m (1/2" x 60 yd.)	bulk	72 rolls
897	86524	19 mm x 54,8 m (3/4" x 60 yd.)	bulk	48 rolls
897	86525	25,4 mm x 54,8 m (1" x 60 yd.)	bulk	36 rolls
Scotch® H-10 Filament Tape Dispenser	06910	25,4 mm (1")	1 each	6 dispensers
Scotch® H-180 Box Sealing Roll-on Dispensers				
	19008	50,8 mm (2")	1 each	6 dispensers

*UPC prefix 051131-

†Order product in metric units.


Specifications for Label Protection Tapes

Product Number	Product Description	Tape Thickness	Temperature Rating	Typical Applications
 Scotch® 8210 Film Tape	Lightly pink tinted label	2.5 mil	N/A	Protect label from abrasions and moisture, but allow barcode scanning
 Scotch® 8240 & 8260 Pouch Tape	Pressure sensitive tape with rectangular window and orange border	2.5 mil	N/A	Display documents on the exterior of package for easy viewing by recipient
 Highland 3565 Commercial Label Protection Tape	Utility grade label protection tape	1.9 mil	N/A	To protect and preserve identification labels in shipping

Ordering Information for Label Protection Tapes

Product Number	UPC (021200-)	Size	Inner Unit Pack	Case Qty.
Scotch® 8210 Film Tape				
8210	11852	2" x 72 yd. (51 mm x 65,5 m)	bulk	24 rolls
8210	05597	3" x 72 yd. (76 mm x 65,5 m)	bulk	12 rolls
8210	06888	4" x 72 yd. (10,2 cm x 65,5 m)	bulk	8 rolls
8210	06889	5" x 72 yd. (12,7 cm x 65,5 m)	bulk	8 rolls
8210	11853	6" x 72 yd. (15,2 cm x 65,5 m)	bulk	8 rolls
Scotch® 8240 Pouch Tape	06947	5" x 6" (12,7 cm x 15,2 cm)	500 pouches	64 rolls
Scotch® 8260 Pouch Tape	06958	5.5" x 9" (14,0 cm x 22,9 cm)	375 pouches	48 rolls
Highland 3565 Commercial Label Protection Tape				
	73154	3-7/10" x 104 yd. (96 mm x 100 m)	bulk	18 rolls

Specifications for Palletizing Tapes

Product Number	Product Description	Tape Thickness	Temperature Rating	Typical Applications
 Scotch® 8884 & 8886 Stretchable Tape	High performance transparent stretchable tape	8884 is 5 mil 8886 is 7 mil	N/A	Encasing A & B type pallets for internal shipping

Ordering Information for Palletizing Tapes

Product Number	UPC (021200-)	Size	Inner Unit Pack	Case Qty.
Scotch® 8884 Stretchable Tape	69313	1-3/10" x 60 yd. (36 mm x 55 m)	bulk	24 rolls
Scotch® 8886 Stretchable Tape	69314	1-3/10" x 60 yd. (36 mm x 55 m)	bulk	24 rolls