

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 over wrapping 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	Highly conformable, super stretchy in all weather applications; resists UV rays, abrasion, corrosion, alkalis & acids. Flame retardant.	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  LISTED 539H  LR48769
	Scotch® 35 Professional Use Vinyl Electrical Tape for Color Coding	Nine fade-resistant colors, super stretchy & conformable, excellent insulating properties. Resist UV rays, abrasion, corrosion, alkalis & acid.	7 mil	Exceeds UL510 requirements	220°F 105°C	Phase identification & marking. Harnessing.	A-A-55809  LISTED 539H  LR48769
	Scotch® Super 88 Professional Use Premium Vinyl Electrical Tape	All weather; heavy duty, professional use, abrasion resistant, fast build up.	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  LISTED 539H  LR48769
	Scotch® 22 Heavy Duty Vinyl Electrical Tape	Thicker for increased mechanical strength and abrasion resistance. Electrical insulating.	10 mil	Exceeds UL510 requirements	176°F 80°C	Bus bar insulation. Cable jacket repair.	ASTM D-2301 Type II  LISTED 539H  LR48769
	Scotch® 66R Vinyl Electrical Tape	Excellent mechanical strength, abrasion resistance and electrical insulating properties.	10 mil	Exceeds UL510 requirements	220°F 105°C	Primary insulation for 600V bus bar. Protective jacketing.	 File E 17385
	Highland™ Commercial Grade Electrical Tape	Flexible, stretchy, conformable, commercial grade vinyl. Flame retardant.	7 mil	Meets UL510 requirements	194°F 90°C	Protective jacketing. Harnessing.	ASTM D-2301 Type I  LISTED 539H  LR48769
	Temflex™ 1700 General Purpose Vinyl Electrical Tape	Economical, flexible, general purpose tape.	7 mil	Meets UL510 requirements	176°F 80°C	Protective jacketing. Harnessing.	ASTM D-2301 Type I  LISTED 539H  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+	50236	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.

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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™ 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



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.

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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.



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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 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, alkalis, 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. 305
- Heat Shrink pg. 305, 327



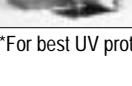



Features — Advantages — Benefits

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. 6, 9
– Resin Kits	pg. 253
Padding	pg. 9
Sealing	pg. 305, 327

✓ 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	All-weather performance and corrosion resistance. Resistant to impact and abrasions.	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	Quick-dry, non-sag rubber base primer that prepares metal surfaces for tape application.	N/A	N/A	176°F (80°C)	For use with Scotchrap 50 & 51 tapes and Temflex™ 1100 Tape.
 Scotchfil™ Electrical Insulation Putty	Black, self-fusing, insulating putty in tape form.	125 mil	N/A	176°F (80°C)	Smooths irregularities on fittings and valves.
 Temflex 1100 Tape	General purpose corrosion resistant tape. Good abrasion resistance.	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. 6
Hi Temp Terminating	pg. 215
Connecting	pg. 133

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				
2000	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.

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

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