



Electrical Tape

Overview

Plymouth Rubber develops and manufactures adhesive tapes and solutions for electrical insulation. Their vast experience in the industry allows them to be one of the more prominent companies in the global industry of electrical tape, highlighting vinyl tapes, rubber tapes, and much more.

Our offering includes solutions for primary insulation, insulating and jacketing splices, and color-coded vinyl tape for quick identification of electrical circuits. This is accomplished with a selection of tapes that include vinyl electrical tape, silicone rubber tape, glass tape, and self-amalgamating and self-fusing mastics.



| Electrical Tape | | | | | | |
|---------------------------|---------------------------------------|--|-----------|---------------|---------------|----------------------|
| Part Number | Series | Description | Thickness | Size | Color | Compare With Scotch® |
| PR-1101-1 | 61 | Fabric Electrical Tape | 7.1 mil | 0.75in x 60ft | Yellow | 2510 |
| PR-1121-1 | 61A | Fabric Electrical Tape w/ Adhesive | 7.9 mil | | | 2520 |
| PR-2006-1 | 150 ASTM | Rubber Electrical Tape | 30 mil | 0.75in x 30ft | Gray | n/a |
| PR-2104-1 | 17 Plyshield | Semi-conducting Rubber Electrical Tape | | 0.75in x 15ft | Black | 13 |
| PR-2117-1 | W963 | Rubber Electrical Tape | | 0.75in x 30ft | | 23 |
| PR-2211-1 | L969 | Rubber Electrical Tape | | 1in x 30ft | | 130C |
| PR-2212-1 | | | | 1.5in x 30ft | | |
| PR-2213-1 | | | | 2in x 30ft | | |
| PR-2214-1 | | | | | | |
| PR-2609-1 | VM | Vinyl-backed Mastic Electrical Tape | | 47 mil | 4in x 10ft | n/a |
| PR-2626-1 | 10 Plyseal | Mastic Electrical Tape | | 126 mil | 3.75in x 10ft | 2229 |
| PR-3455-1 | 20 Plysil | Silicone Rubber Electrical Tape | 20 mil | 1in x 30ft | Gray | 70 |
| PR-3456-1 | 77 PLYGLAS | Glass Cloth Electrical Tape | 7 mil | 0.75in x 66ft | White | 27 |
| PR-3702-1 | Premium 37 | Vinyl Electrical Tape | 7 mil | | Green | 35 |
| PR-3703-1 | | | | | Yellow | |
| PR-3704-1 | | | | | Red | |
| PR-3705-1 | | | | | Blue | |
| PR-3706-1 | | | | | White | |
| PR-3707-1 | | | | | Brown | |
| PR-3708-1 | | | | | Orange | |
| PR-3709-1 | | | | | Gray | |
| PR-3711-1 | | | | | Violet | |
| PR-3119-5 | Revere | Vinyl Electrical Tape | | 0.75in x 60ft | Black | Temflex 1700 |
| PR-4275-1 | Slipknot Platinum 8.5 | Vinyl Electrical Tape | 8.5 mil | 0.75in x 66ft | | Super 88 |
| PR-4454-1 | Slipknot Platinum 7.0 | Vinyl Electrical Tape | 7 mil | 0.75in x 66ft | | Super 33+ |



Vinyl Electrical Tape

Premium 37 Vinyl Electrical Tape

A 7 mil professional grade available in 9 colors for color coding with an excellent elasticity and insulating properties. High resistance against abrasion, water, oil, alkalis, acids, and corrosive chemicals. Use for quick identification of electrical circuits, containers, and conduit systems as well as primary insulation for splices not more than 600V.

Features

- Cold and weather resistant
- Flame retardant
- High dielectric strength
- Highly elastic
- Highly conformable
- High UV resistance
- Highly resistant to sun, water, oil, acids, alkalis, corrosive chemicals
- Meets ASTM D-3005, Type I; EN 60454-3-1, Type 11; UL 510; CSA C 22.2 no. 197
- Meets 2000/53/EC and RoHS 2011/65/EU directives
- Temperature range:
 - UL510: -10°C – 105°C (14°F – 221°F)
 - CSA C 22.2 no.197: -18°C – 105°C (-0.4°F – 221°F)



| Vinyl Electrical Tape | | | | | | | | | | |
|----------------------------------|--------|----------------------------------|--------------|---------------|-----------|---------------------|---------------------|-------------------|---------|--------|
| Part Number | Color | Description | Duty Grade | Size | Thickness | Elongation at Break | Dielectric Strength | Adhesion to Steel | Voltage | Price |
| <u>PR-3702-1</u> | Green | Premium 37 vinyl electrical tape | professional | 0.75in x 66ft | 7 mil | 260% | 1150 V/mil | <u>20 oz/in</u> | 600V | \$6.00 |
| <u>PR-3703-1</u> | Yellow | | | | | | | | | \$6.00 |
| <u>PR-3704-1</u> | Red | | | | | | | | | \$6.00 |
| <u>PR-3705-1</u> | Blue | | | | | | | | | \$6.00 |
| <u>PR-3706-1</u> | White | | | | | | | | | \$6.00 |
| <u>PR-3707-1</u> | Brown | | | | | | | | | \$6.00 |
| <u>PR-3708-1</u> | Orange | | | | | | | | | \$6.00 |
| <u>PR-3709-1</u> | Gray | | | | | | | | | \$6.00 |
| <u>PR-3711-1</u> | Violet | | | | | | | | | \$6.00 |

Note: Values are typical data.



Vinyl Electrical Tape

Revere Vinyl Electrical Tape

A 7.0 mil general purpose grade characterized by its excellent performance and high durability, with good elasticity, level of adhesion, and insulating properties. Resists abrasion, water, oil, alkalis, acids, and corrosive chemicals. Great for use in harnessing, protective jacketing, as well as primary insulation for splices not more than 600V.

Features

- Meets EN 60454-3-1 and UL-510 standards.
- Meets 2000/53/EC and RoHS 2011/65/EU directives
- Temperature range:
 - UL510: -10°C – 80°C (14°F – 176°F)
 - CSA C 22.2 no.197: -10°C – 105°C (14°F – 221°F)
- Sold in quantity of 5



Slipknot Platinum 7.0

A 7.0 mil premium vinyl electrical tape included in our new Slipknot Vinyl series. A professional grade vinyl electrical tape specially designed for professional use with excellent elasticity even in cold weather applications. Primary insulation for splices up to 600V, protective outer jacket over splices and for all low temperature applications.



Slipknot Platinum 8.5

An 8.5 mil premium vinyl electrical tape included in our new Slipknot Vinyl series. A heavy-duty grade vinyl electrical tape specially designed for professional use with excellent elasticity even in cold weather applications. Primary insulation for splices up to 600V, protective outer jacket over splices and for all low temperature applications.



Slipknot Platinum 7.0 / 8.5 Features

- Cold and weather resistant. All-weather performance.
- Flame retardant
- High dielectric strength
- Highly elastic and conformable
- High UV resistance
- Cold & weather resistant
- High resistant to sun, water, oil, acids, alkalis, and corrosive chemicals
- Meets 2000/53/EC and RoHS 2 2011/65/EU directives
- Meets ASTM D-3005, Type I; EN 60454-3-1, Type 11; UL 510; CSA C 22.2 no. 197
- Temperature range:
 - UL510: -10°C – 80°C (14°F – 176°F)
 - CSA C 22.2 no.197: -18°C – 105°C (0°F – 221°F)

| Platinum Vinyl Electrical Tape | | | | | | | | | | | |
|--------------------------------|-----------------------|-----------------|---------------|-----------|---------------------|---------|---------------------|-------------------|-------|----------|--------|
| Part Number | Description | Duty Grade | Size | Thickness | Elongation at Break | Voltage | Dielectric Strength | Adhesion to Steel | Color | Quantity | Price |
| PR-3119-5 | Revere | general purpose | 0.75in x 60ft | 7 mil | 220% | 600V | 1200 V/mil | 20 oz/in | Black | 5 | \$9.50 |
| PR-4454-1 | Slipknot Platinum 7.0 | Professional | 0.75in x 66ft | | 300% | | 1200 V/mil | 27 oz/in | | 1 | \$4.75 |
| PR-4275-1 | Slipknot Platinum 8.5 | heavy duty | | 8.5 mil | | | 1150 V/mil | | | | \$5.25 |

Note: Values are typical data.



Insulating and Splicing Tape

150 ASTM Low Voltage Rubber Splicing Tape

A 30 mil self-amalgamating tape which can be used for insulating cables splices through 2kV, in conjunction with a jacketing tape. Meets ASTM D4388, Communications Industry Specification 6746.

Features

- Self-amalgamating
- Good electrical properties
- Effective moisture seal
- Good conformability



W963 Plysafe Rubber Tape w/ Liner

A 30 mil EPR, self-bonding, high voltage tape for insulating and jacketing splices through 69kV. W963 amalgamates quickly, yielding a void-free, electrically stable build-up and it's ideal for waterproofing. Meets ASTM D-4388, HH-I-553C/Grade A, MIL-I3825B standards.

Features

- Self-amalgamating
- Outstanding corona and ozone resistance
- UV resistance
- Excellent moisture, corrosion and chemical resistance



L969 Plyvolt Linerless Rubber Tape

A 30mil EPR, self-bonding, thermally conductive tape for insulating and jacketing splices through 69kV. L969 Plyvolt is linerless, allowing an easier application and a void-free build-up. This rubber tape provides excellent corona, ozone, and chemical resistance. It can also be used for building stress-cones on power cable through 35kV.

Features

- Linerless
- Self-amalgamating
- Outstanding corona and ozone resistance
- High thermal conductivity
- Excellent moisture, corrosion chemical resistance, and UV resistance
- Lead free



| Insulating and Splicing Tape | | | | | | | | | |
|----------------------------------|---------------------------------|---------------|-----------|---------|---------------------|---------------------|----------------------|-------|---------|
| Part Number | Description | Size | Thickness | Voltage | Elongation at Break | Dielectric Strength | Maximum Temperature | Color | Price |
| <u>PR-2006-1</u> | 150 ASTM rubber electrical tape | 0.75in x 30ft | 30 mil | 2 kV | 500% | 508 V/mil | 176 deg F (80 deg C) | Gray | \$7.00 |
| <u>PR-2117-1</u> | W963 rubber electrical tape | 0.75in x 30ft | | 69 kV | 950% | 1000 V/mil | 194 deg F (90 deg C) | Black | \$10.50 |
| <u>PR-2211-1</u> | L969 rubber Electrical Tape | 0.75in x 30ft | | 69 kV | 890% | 990 V/mil | | | \$14.00 |
| <u>PR-2212-1</u> | | 1in x 30ft | | 69 kV | | | | | \$18.00 |
| <u>PR-2213-1</u> | | 1.5in x 30ft | | 69 kV | | | | | \$26.00 |
| <u>PR-2214-1</u> | | 2in x 30ft | | 69 kV | | | | | \$32.50 |

Note: Values are typical data.



Insulating and Splicing Tape

20 Plsill Silicone Rubber Tape

A 20 mil triangular cross-section, self-fusing tape, arc and track resistance, used for jacketing high voltage terminations on solid dielectric cable through 69kV.

Features

- Unique triangular cross-section
- Self-amalgamating
- -50°C to 200°C (-60°F to 400°F) operating temperature.
- UV resistant
- Oil resistant
- Center line for half-lapping guide



61/61A Varnished Dacron Glass Tape

A fine weave of Dacron and fiber glass threads, impregnated with a fully cured polyester coating which provides excellent electrical and mechanical protection. Available without adhesive (61/7 mil) and with adhesive (61A/8 mil).

Features

- Straight weave with bias characteristics
- Exceptionally high dielectric strength
- Retains dielectric strength on heat aging
- Excellent flexibility and conforms well to irregular shapes
- High tensile and edge-tear strength
- Meet requirements for Class F insulation



17 Plyshield Semi-Conducting Electrical Tape

An ethylene propylene rubber based, self-amalgamating and conducting tape. Its unsupported construction makes it ideal for use on power cable where accommodation of expansion and contraction due to load cycling is important. Use this semi-conducting tape for shielding cable from EMI, at termination points, and for a providing a ground path for dissipating a charge resulting from EMI. The excellent stretch of 17 Plyshield allows conformability to complex shapes. Meets ASTM D-4388 Type IV standard.

Features

- Self-amalgamating retains good conducting properties
- Easy to apply
- UV resistance



| Insulating and Splicing Tape - Cont'd | | | | | | | | | | | |
|---|---|---------------|-----------|---------|-------------------|---------------------|---------------------|-----------------------|----------------------|--------------|---------|
| Part Number | Description | Size | Thickness | Voltage | Adhesion to Steel | Elongation at Break | Dielectric Strength | Maximum Temperature | Color | Special | Price |
| <u>PR-3455-1</u> | 20 Plsill silicone rubber tape | 1in x 30ft | 20 mil | 69 kV | n/a | 300% | 610 V/mil | 400 deg F (204 deg C) | Gray | n/a | \$28.00 |
| <u>PR-1101-1</u> | 61 Fabric electrical tape | 0.75in x 60ft | 7.1 mil | n/a | | n/a | 1270 V/mil | 311 deg F (155 deg C) | Yellow | w/o adhesive | \$63.00 |
| <u>PR-1121-1</u> | 61A Fabric electrical tape | | 7.9 mil | | w/ adhesive | | | | | \$64.00 | |
| <u>PR-2104-1</u> | 17 Plyshield semi-conducting rubber electrical tape | 0.75in x 15ft | 30 mil | | | n/a | 750% | n/a | 194 deg F (90 deg C) | Black | n/a |

Note: Values are typical data.



Mastics and Specialty Tapes

Vinyl Mastic

A self-fusing mastic compound with an all weather vinyl backing that adds UV protection. It can be used for insulating and water sealing electrical connections through 600V. Excellent electrical properties, superior adhesion, moisture and chemical resistance.

10 Plyseal Insulating Mastic

A self-amalgamating insulating mastic for insulating and sealing all types of overhead and direct buried electrical connections up to 600V. Excellent adhesion to metals, cable insulations and jackets. For water-sealing duct work cable ends and all types of splices.

77 Plyglas Glass Cloth Tape

A 7 mil woven glass fabric tape with a thermosetting rubber based adhesive used for protecting and insulating high temperature connections (130°C/266°F), such as motor leads, and transformed windings. High tensile strength for splice reinforcement. Excellent tear and abrasion resistance.



PR-2609-1



PR-2626-1



PR-3456-1

| Sealing and Insulating Mastics | | | | | | | | | |
|--------------------------------|-----------------------------------|---------------|-----------|---------|---------------------|-------------------|-----------------------|-------|---------|
| Part Number | Style | Size | Thickness | Voltage | Dielectric Strength | Adhesion to Steel | Maximum Temperature | Color | Price |
| PR-2609-1 | VM Mastic electrical tape | 4in x 10ft | 47 mil | 600V | 330 V/mil | 200 oz/in | 194 deg F (90 deg C) | Black | \$26.50 |
| PR-2626-1 | 10 Plyseal Mastic electrical tape | 3.75in x 10ft | 126 mil | | 508 V/mil | n/a* | | | \$37.50 |
| PR-3456-1 | 77 Plyglas Cloth Electrical Tape | 0.75in x 66ft | 7 mil | | 350V/mil | 16 oz/in | 266 deg F (130 deg C) | White | \$19.00 |

Note: Values are typical data.

*Excellent adhesion to metals, cable insulations, and jackets.