

3M Temflex 1610 PVC Electrical Insulation Tape

- Good quality, economical PVC insulating tape with a temperature rating of up to 80°C
- Resistant to varying weather conditions
- Protective jacketing for high voltage cable splices and repairs
- Harnessing of wires and cables
- For indoor or outdoor applications
- For above or below grade applications

Temflex 1610 Electrical Tape is a quality, economical, general purpose vinyl insulating tape. Temflex 1610 is designed for use in phase identification, colour coding of motor leads and piping systems and for marking safety areas. It has excellent resistance to abrasion, moisture, alkalis, acid and varying weather conditions (including sunlight). It is a polyvinyl chloride (PVC) tape that has high wet dielectric strength, is conformable, and provides excellent mechanical protection with minimum bulk.

Installation Techniques

The tape shall be applied in half-lapped layers with sufficient tension to conform and produce a uniform covering. In most applications, this tension will reduce the tape's width to approximately 5/8 of its original width. On pigtail splices, the tape should be wrapped beyond the end of the wires and then folded back, leaving a protective cushion to resist cut-through. Apply the tape with no tension on the last wrap to prevent flagging.

Maintenance

Temflex 1610 Electrical Tape is stable under normal storage conditions.



Typical Data/Physical Properties

Dielectric Strength*	>39.4 kV/mm (>1000 V/mil)
Thickness*	0.15mm (6 mils)
Elongation*	200%
Breaking Strength*	18.5 kg/cm (16 lbs./in.)
Adhesion (to steel)*	1.75 N/10 mm (16 oz./in.)
Adhesion (to backing)*	1.75 N/10 mm (16 oz./in.)

Note: These are typical properties and should not be used for specification purposes.

*ASTM D-1000 Test Methods



Data Sheet

3M Temflex 1610 PVC Electrical Insulation Tape

Specifications

Adhesive Material	Rubber Resin
Backing Material	Polyvinyl Chloride
Colour	Black
Dielectric Strength	39.4kV/mm
Elongation	200%
Flame Retardant	No
Material	Polyvinyl Chloride
Operating Temperature	0 to 80 Degree Celsius
Self Sticking/Amalgamating	No
Size	19mm (W) x 20m (L)
Tape Colour	Black
Tape Grade	General Use
Tape Length	20m
Tape Type	Vinyl
Tape Width	19mm
Thickness	0.15mm

