

Data Sheet



General Purpose PVC

Vinyl Electrical Tape

Product Description

Temflex 21S Electrical Tape is a good quality and economical general purpose vinyl insulating tape. It has excellent resistance to abrasion, moisture, alkalis, acid, and varying weather conditions including sunlight. It is a polyvinyl chloride (PVC) tape that has a high wet dielectric strength, is conformable, and provides excellent mechanical protection with minimum bulk.

Applications

Primary electrical insulation for all wire and cable splices rated up to 600 volts.

Protective jacketing for high voltage cable splices and repairs

Wrapping of wires and cable

For indoor or outdoor applications

For above or below grade applications.

Typical Data/Physical Properties

Dielectric Strength *	
Standard Condition	>1000 V/Mil
After Humidity condition standard	>90% of
Insulation Resistance *	>10 ⁶ M ohm
Thickness*	5 mils
Elongation*	150 %
Breaking Strength *	14 lbs/in
Adhesion*	
To Steel	18 oz/in
To backing	18 oz/in

*ASTM D-1000

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

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 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™ 21S Electrical Tape is stable under normal storage conditions.

Availability

Temflex™ 21S Electrical Tape is available from 3M and your local 3M authorized electrical distributor.