

3M™

Acetate Cloth Electrical Tape 11

With Rubber Thermosetting Pressure-Sensitive Adhesive

Data Sheet

September 2015

Description 3M Acetate Cloth Electrical Tape 11 is an aesthetically pleasing tape which offers excellent conformability in coil wrapping applications up to 105°C. Acetate cloth tapes also offer excellent absorption of resins and varnishes.

Agency Approvals & Self Certifications For RoHS information, please visit www.3M.com/ROHS

Applications

- Conformable; for use as coil cover
- Printable
- Easy hand tear, wire harness bundle

Typical Properties

Data is not for specifications. Values are typical and should not be considered minimum or maximum. Properties measured at room temperature 73°F (23°C) unless otherwise stated.

Physical Property (Test Method) (ASTM D1000) unless noted	Typical Value US units (metric)
Color	Black
Adhesive	Thermosetting Rubber
Total Thickness	8 mils (0,203 mm)
Elongation (% at break)	10 %
Breaking Strength	35 lb/in (62 N/10 mm)
Operating Temperature	221°F (105°C)
Adhesion to Steel	40 oz/in (4.4 N/10 mm)

Electrical Property (Test Method) (ASTM D1000) unless noted	Typical Value US units (metric)
Dielectric Breakdown	2000 V
Insulation Resistance	2 x 10 ⁴ megohms
Electrolytic Corrosion Factor (3M ETM 54001)	1.0

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Specifications

3M Acetate Cloth Electrical Tape 11 is an acetate cloth electrical tape with a rubber thermosetting adhesive. The tape shall be black and 8 mils (0,203 mm) thick. This tape shall be coated on one side with pressure-sensitive adhesive, which shall not require heat, moisture or other preparation prior to or subsequent to application. The adhesive coating shall be smooth and uniform and be free of lumps and bare spots. There shall be no separator between adjacent layers of the roll. 3M Electrical Tape 11 shall perform at a temperature of 221°F (105°C) to -40°F (-40°C) without loss of physical or electrical properties.

To achieve maximum solvent resistance and holding performance, we suggest thermosetting the tape at one of the following cycles:

- 1 hour @ 150°C (300°F)
- 2 hours @ 135°C (275°F)
- 3 hours @ 120°C (250°F)

Shelf Life & Storage

This product has a 5-year shelf life from date of manufacture when stored in a humidity controlled storage (10°C/50°F to 27°C/80°F and <75% relative humidity).

Availability

3M electrical tape 11 is available in standard and custom lengths and widths. Standard length is 72 yards.

Please contact your local distributor. Names and addresses are available from 3M.com/electrical [Where to Buy], or call 1.800.676.8381 or 1.800.828.9329.

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