3M™ Acetate Cloth Electrical Tape 11 with Thermosetting Rubber Adhesive

Data Sheet **May 2021**

Product Description

3M™ Acetate Cloth Electrical Tape 11 is a black, 8.25-mil (0.21 mm) thick tape composed of a 6-mil (0.152 mm) acetate cloth backing coated on one side with a thermosetting rubber pressure-sensitive adhesive.

- Commonly used for coil wrapping and wire harness bundling applications
- Adhesive requires no heat, moisture or other manner of preparation to affect application
- Designed for continuous operation not exceeding 105°C (221°F)

Properties

Physical Properties	*Value Imperial (Metric)*
Color - Visual	Black
Adhesive	Thermosetting Rubber
Backing	Acetate Cloth
Mechanical Properties	***Value Imperial (Metric)***
Backing Thickness - Nominal	6 mil (0.152 mm)
Total Thickness[1]	8.25 +/-0.75 mils (0.21 +/- 0.019 mm)
Adhesion to Steel[1] - Minimum	30 oz/in (3.3 N/cm)
Breaking Strength[1] - Minimum	30 lb/in (53 N/cm)
Elongation[1] - Minimum	8%

Electrical Properties	*Value Imperial (Metric)*
Dielectric Breakdown[1] - Minimum	1500 V
Electrolytic Corrosion Factor[2]	1.0
Insulation Resistance[1] - Minimum	$1x10^6$ Ω

Notes:

1. ASTM D1000 Test Method - properties measured at room temperature 73°F (23°C) unless otherwise stated
2. 3M Test Method ETM-54001 - 1.0 equates to no corrosion observed

Agency Approvals & Self Certifications

- Self-certified to Commercial Item Description: A-A-59770A (2007), Type I (ACT)
- For Regulatory information including RoHS, REACH, please visit www.3M.com/regs

Shelf Life & Storage

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

Availability

3M™ Acetate Cloth Electrical Tape 11 available from 3M authorized distributors/converters

Also available from 3M.com/oem or call 1.800.245.3573.

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3M
Electrical Markets Division
13011 McCallen Pass, Bldg. C
Austin, TX 78753
Phone: 800.676.8381
www.3M.com/oem

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