



3M™ Composite Film Electrical Tape 44T-A with Acrylic Adhesive

Data Sheet

October 2021

Product Description 3M™ Composite Film Electrical Tape 44T-A is a tan, 18-mil (0.457 mm) thick tape composed of a polyester film/nonwoven composite reinforced backing coated on one side with an acrylic pressure-sensitive adhesive.

- Commonly used in building coil barriers
- Thicker (>3x) version of 3M™ Composite Film Electrical Tape 44, helps reduce number of wraps and provides higher dielectric strength
- Adhesive requires no heat, moisture or other manner of preparation to affect application
- Designed for continuous operation not exceeding 130°C (266°F) per UL listing

Properties

Physical Properties	Value Imperial (Metric)	Electrical Properties	Value Imperial (Metric)
Color - Visual	Tan	Comparative Tracking Index (CTI) ³	I
Adhesive	Acrylic	Dielectric Breakdown ¹ - Minimum	5450 V
Backing	Polyester Film/Nonwoven Composite	Electrolytic Corrosion Factor ²	1.0
Mechanical Properties	Value Imperial (Metric)	Insulation Resistance ¹ - Minimum	1x10 ¹² Ω
Total Thickness ¹	18 +/- 3.6 mils (0.457 +/- 0.091 mm)		
Adhesion to Steel ¹ - Minimum	34 oz/in (3.7 N/cm)		
Breaking Strength ¹ - Minimum	70 lb/in (123 N/cm)		
Elongation ¹ - Minimum	15%		

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
3. UL tested and meets the listed UL840 Material Group when tested to IEC 60112 on both sides of the tape

Agency Approvals & Self Certifications

- UL Component Recognized: UL510A Standard, Category OANZ2, File No. E17385
- 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™ Composite Film Electrical Tape 44T-A available from 3M authorized distributors/converters
Also available from 3M.com/oem or call 1.800.245.3573.

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Electrical Markets Division

13011 McCallen Pass, Bldg. C
Austin, TX 78753

Phone: 800.676.8381

www.3M.com/oem

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