



3M™ Flat-Backed Paper Electrical Tape 12 with Thermosetting Rubber Adhesive

Data Sheet

August 2021

Product Description

3M™ Flat-Backed Paper Electrical Tape 12 is a tan, 5.25-mil (0.133 mm) thick tape composed of a 3-mil (0.076 mm) flatback paper backing coated on one side with a thermosetting rubber pressure-sensitive adhesive.

- Commonly used for banding coils and for cover on bobbin-wound coils
- 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)	Electrical Properties	Value Imperial (Metric)
Color - Visual	Tan	Dielectric Breakdown ¹ - Minimum	1500 V
Adhesive	Thermosetting Rubber	Insulation Resistance ¹ - Minimum	1x10 ⁵ Ω
Backing	Flatback Paper		
Mechanical Properties	Value Imperial (Metric)		
Backing Thickness - Nominal	3 mil (0.076 mm)		
Total Thickness ¹	5.25 +/- 0.75 mils (0.133 +/- 0.019 mm)		
Adhesion to Steel ¹ - Minimum	30 oz/in (3.3 N/cm)		
Breaking Strength ¹ - Minimum	22 lb/in (38.5 N/cm)		
Elongation ¹ - Maximum	5%		

Notes:

1. ASTM D1000 Test Method - properties measured at room temperature 73°F (23°C) unless otherwise stated

Agency Approvals & Self Certifications

- 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™ Flat-Backed Paper Electrical Tape 12 available from 3M authorized distributors/converters

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

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TECHNICAL STATEMENT

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