



3M™ Polyester Film/Mat Composite Tape 55 with Thermosetting Rubber Adhesive

Data Sheet

May 2021

Product Description 3M™ Polyester Film/Mat Composite Tape 55 is a white, 7.25-mil (0.184 mm) thick tape composed of polyester film/nonwoven reinforced composite backing coated on one side with a thermosetting rubber pressure-sensitive adhesive.

- Commonly used for applications such as coil cover, end-turns, lead pad and core layer and crossover insulation
- 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 and CSA listings

Properties

Physical Properties	Value Imperial (Metric)	Electrical Properties	Value Imperial (Metric)
Color - Visual	White	Dielectric Breakdown ¹ - Minimum	5000 V
Adhesive	Thermosetting Rubber	Electrolytic Corrosion Factor ²	1.0
Backing	Polyester Film/Nonwoven Mat	Insulation Resistance ¹ - Minimum	1x10 ¹² Ω
Mechanical Properties	Value Imperial (Metric)		
Total Thickness ¹	7.25 +/- 1.25 mils (0.184 +/- 0.32 mm)		
Adhesion to Steel ¹ - Minimum	50 oz/in (5.5 N/cm)		
Breaking Strength ¹ - Minimum	30 lb/in (53 N/cm)		
Elongation ¹ - Minimum	20%		

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

- UL Component Recognized: UL510A Standard, Category OANZ2, File No. E17385
- CSA Certified: Standard C22.2 No. 66, File No. 093411, Class 9052-30
- 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™ Polyester Film/Mat Composite Tape 55 available from 3M authorized distributors / converters

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

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