



90 Electrical Tape

Glass Cloth with Rubber Thermosetting Pressure Sensitive Adhesive Data Sheet

- Ravel/fray resistant
- Conformable
- High breaking strength
- UL Recognized Class 155°C

3M™ 90 Electrical Tape is a white glass cloth coated with a rubber, thermosetting adhesive. The glass cloth has excellent high temperature resistance, tensile strength and offers superior absorption of electrical insulating resins and varnishes. The tape also exhibits resistance to raveling and fraying which facilitates automated application and improves aesthetics.

This product is especially suited for applications such as stick-wound coils/transformers and bobbin-wound coils; for banding, anchoring and insulating; and terminal strips, insulation paper, end turns and connections in motors and transformers.

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)

UL Component Recognition

UL Recognized for use at temperatures not exceeding 155°C per UL Standard 510, UL File Number E17385, Guide OANZ2. Underwriters Laboratories (UL) Recognized products have been evaluated for use as components of end-product equipment that is listed or classified by UL. To achieve Underwriters Laboratories Recognition, component construction must meet UL specifications and conditions of acceptability for proper and safe use of the component or product.

Properties	Typical Value*
Color	White
Thickness ¹	7.0 mils (.177mm)
Breaking Strength at Break ¹	150 lb./in (262 N/10 mm)
Elongation at Break ¹	5%
Adhesion to Steel ¹	40 oz/in (4.4 N/10 mm)
Dielectric Breakdown ¹	3000V
Temperature Class	155°C
Insulation Resistance ¹	1 x 10 ⁸ megohms

*Not intended for specification purposes. Product specifications will be provided upon request.

¹ASTM D-1000 Test method

Important Notice

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Jan. 2000