



Standard Specification for Polyethylene Plastic Pressure-Sensitive Electrical Insulating Tape¹

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1. Scope*

1.1 This specification covers electrical insulating tape consisting of a backing made from polyethylene plastic film, coated on one side with a pressure-sensitive adhesive.

1.2 The values stated in SI units are the standard. The values given in parentheses are provided for information purposes only.

2. Referenced Documents

2.1 *ASTM Standards*:²

D876 [Test Methods for Nonrigid Vinyl Chloride Polymer Tubing Used for Electrical Insulation](#)

D1000 [Test Methods for Pressure-Sensitive Adhesive-Coated Tapes Used for Electrical and Electronic Applications](#)

D1711 [Terminology Relating to Electrical Insulation](#)

3. Terminology

3.1 *Definitions*—For definitions of terms in this specification refer to Terminology D1711.

4. Material

4.1 The backing shall be polyethylene, suitably compounded to meet the requirements of this specification. The backing shall be smooth and uniform. The tape edges shall be straight and unbroken.

4.2 The pressure-sensitive coating shall be smooth and uniform, and essentially free from lumps and bare spots. “Fish eyes” shall not be cause for rejection. There shall be no adhesive transfer when the tape is unwound from the roll.

5. Standard Rolls

5.1 The standard widths and lengths shall be selected from the following:

5.1.1 *Widths*:

mm	in.	mm	in.
6	¼	12	½
9	⅜	15	⅝
19	¾	30	1¼
22	⅞	38	1½
25	1	50	2

Widths greater than 50 mm (2 in.) shall be agreed upon between the purchaser and the seller.

5.1.2 *Lengths*:

m	ft
6	20
20	66
33	108

5.1.3 Nonstandard widths and lengths are permissible if agreed to between the purchaser and seller.

¹ This specification is under the jurisdiction of ASTM Committee D09 on Electrical and Electronic Insulating Materials and is the direct responsibility of Subcommittee D09.07 on Flexible and Rigid Insulating Materials.

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² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard’s Document Summary page on the ASTM website.

*A Summary of Changes section appears at the end of this standard.