



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.

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

2. Referenced Documents

2.1 ASTM Standards:

- D 1000 Test Methods for Pressure-Sensitive Adhesive-Coated Tapes Used for Electrical and Electronic Applications²
- D 1711 Terminology Relating to Electrical Insulation²

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

3. Terminology

3.1 *Definitions*—For definitions of terms in this specification refer to Terminology D 1711.

6. Physical Requirements

- 6.1 The tape shall meet the requirements listed in Table 1.
- 6.2 Black plastic backing shall be considered standard. Backing of a different color than black shall be specified on the purchase order.

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.

7. Test Methods

7.1 The selection of rolls, conditioning, and testing shall be in accordance with Test Methods D 1000.

5. Standard Rolls

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

5.1.1 Widths:

8. Rejection

8.1 If the test results of any roll do not conform to the requirements prescribed in the specification, two additional rolls shall be selected and tested. If one of the two additional sample rolls also does not conform to the requirements, the lot may be rejected at the option of the purchaser.

9. Packaging and Package Marking

9.1 *Packaging*—The package shall withstand shipment and shall give the product ample protection against damage. The individual rolls shall not adhere to each other, or to the container.

9.2 *Marking*—Each package shall be marked with the name of the manufacturer, the manufacturer’s product number, and the width and length of the roll.

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² *Annual Book of ASTM Standards*, Vol 10.01.