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## Standard Specification for WOVEN TAPES<sup>1</sup>

This Standard is issued under the fixed designation D 259; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval.

### 1. Scope

1.1 This specification covers woven tapes made from synthetic or natural fibers, or both.

1.2 This specification covers those woven tapes having a maximum thickness up to 0.020 in. (0.50 mm) with permissible listed tolerances.

NOTE—The values stated in U. S. customary units are to be regarded as the standard.

### 2. Applicable Documents

#### 2.1 ASTM Standards:

- D 76 Specification for Tensile Testing Machines for Textiles<sup>2, 3</sup>
- D 123 Definitions of Terms Relating to Textiles<sup>2, 3</sup>
- D 629 Quantitative Analysis of Textiles<sup>3</sup>
- D 1682 Tests for Breaking Load and Elongation of Textile Fabrics<sup>2</sup>
- D 1777 Measuring Thickness of Textile Materials<sup>2</sup>
- D 1910 Tests for Construction Characteristics of Woven Fabrics<sup>2</sup>

### 3. Definitions

3.1 For definitions of textile terms used in this specification, refer to Definitions D 123.

### 4. Tolerances

4.1 *Yards Per Pound*—The average length per unit weight of the tape in yards per pound shall not be less than the specified value.

4.2 *Width*—The average width of the tape shall not vary from that specified by more than the following:

Nominal width, in. (mm)	Permissible variations, in. (mm)
Less than 1 (25)	± 1/32 (0.80)
1 to 1 1/2 (25 to 38)	± 3/64 (1.20)
over 1 1/2 (38)	± 1/16 (1.60)

### 4.3 Thickness:

4.3.1 The average thickness of the tape shall not vary from that specified by more than the following:

Nominal thickness, in. (mm)	Permissible variations, in. (mm)
0.011 (0.30) and under	± 0.0015 (0.040)
Over 0.011 to 0.020 (0.30 to 0.50)	± 0.002 (0.050)

4.3.2 Individual thickness measurements shall not vary from the nominal thickness specified by more than the following:

Nominal thickness, in. (mm)	Permissible variations, in. (mm)
0.011 (0.30) and under	± 0.002 (0.050)
Over 0.011 to 0.020 (0.30 to 0.50)	± 0.004 (0.100)

### 4.4 Construction:

4.4.1 The total number of ends shall not be less than specified.

4.4.2 The picks per inch shall not vary by more than the following:

Pick count	Permissible variations
48 per 1 in. (25 mm) and under	± 1 pick
Over 48 per 1 in. (25 mm)	± 2 picks

4.5 *Breaking Strength*—The average breaking strength of the tape shall not be less than the specified breaking strength.

4.6 *Nonfibrous Materials*—The amount of nonfibrous materials shall not be more than that specified.

<sup>1</sup> This specification is under the jurisdiction of ASTM Committee D-13 on Textiles, and is the direct responsibility of Subcommittee D13.59 on Fabric Test Methods, General.

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<sup>2</sup> Annual Book of ASTM Standards, Part 32.

<sup>3</sup> Annual Book of ASTM Standards, Part 33.