Designation: D3774 – 18 (Reapproved 2024)

Standard Test Method for Width of Textile Fabric[1]

This standard is issued under the fixed designation D3774; 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. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

This standard has been approved for use by agencies of the U.S. Department of Defense.

1. Scope

1.1 This test method covers the measurement of the width of woven or knitted fabrics, usable width, or both. The method is applicable to full rolls, bolts of fabric, and short specimens removed from a roll or bolt. Unless otherwise specified, measurements shall include the selvages when present.

1.2 The method offers two options:

1.2.1 *Option A*—Full Roll or Bolt.

1.2.2 *Option B*—Short Specimen Removed from Full Roll or Bolt.

1.3 The values stated in either SI units or U.S. customary units are to be regarded as standard. The U.S. customary units may be approximate.

1.4 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

1.5 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 *ASTM Standards:*[2]

D123 Terminology Relating to Textiles

D1776/D1776M Practice for Conditioning and Testing Textiles

D4850 Terminology Relating to Fabrics and Fabric Test Methods

2.2 *Other Standard:*

ANSI/ASQC Z1.4—Inspection by Attributes[3]

3. Terminology

3.1 The following terms are relevant to this standard: raised-surface width; usable width; width of a circular-knitted fabric, *when measured as a tubular structure*; width of a circular-knitted fabric, *when tubular structure has been slit*; width, *of a fabric*; width, *of a fabric woven on a shuttleless loom*.

3.2 For terminology related to Fabric Test Methods, see Terminology D4850.

3.3 For definitions of all other textile terms see Terminology D123.

4. Summary of Test Method

4.1 The width of the fabric is measured directly by using a metal rule.

4.2 Option A offers two procedures for the measurement of fabric width in full rolls or bolts. Raised (pile or napped) surface width or usable width may be measured in addition to, or in place of, the full width. The first procedure is a tension-free method; the second procedure provides for measurements made during finishing or inspection operations that may impart tension to the fabric.

4.3 Option B covers the measurement of fabric width when only a short length of fabric is available. Raised (pile or napped) surface width or usable width may be measured in addition to, or in place of, the full width.

5. Significance and Use

5.1 Option A procedures of Test Method D3774 for width are considered satisfactory for acceptance testing of commercial shipments because they are used extensively in the trade.

5.1.1 In case of a dispute arising from differences in reported test values when using Test Method D3774 for acceptance testing of commercial shipments, the purchaser and the supplier should conduct comparative tests to determine if

[1] This test method is under the jurisdiction of ASTM Committee D13 on Textiles and is the direct responsibility of Subcommittee D13.60 on Fabric Physical Test Methods B.

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

[3] Available from American National Standards Institute (ANSI), 1180 Avenue of the Americas, 10th Floor, New York, NY 10036, http://www.ansi.org.