



Designation: D4771 – 19

# Standard Performance Specification for Knitted Upholstery Fabrics for Indoor Furniture<sup>1</sup>

This standard is issued under the fixed designation D4771; 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 ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

## 1. Scope

1.1 This performance specification covers the performance requirements for knitted upholstery fabrics as used in the manufacture of new indoor furniture for general domestic use. These requirements apply to both the wale and course directions for those factors where each fabric direction is pertinent.

1.2 This performance specification is not applicable to fabrics used in contract, porch, deck, or lawn furniture; nor for woven fabrics, bonded or laminated fabrics, or surface-coated fabrics (such as vinyls and urethanes).

1.3 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

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.* See **Note 2**. See **6.4.1** for a specific warning.

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:<sup>2</sup>

**D123 Terminology Relating to Textiles**

**D4033 Test Method for Resistance to Yarn Slippage at the Sewn Seam in Upholstery Fabrics (Dynamic Fatigue**

**Method)** (Withdrawn 2001)<sup>3</sup>

**D7023 Terminology Relating to Home Furnishings**

**2.2 AATCC Standards:<sup>4</sup>**

**TM8 Colorfastness to Crocking: Crockmeter Method**

**TM16.2 Colorfastness to Light: Carbon-Arc**

**TM16.3 Colorfastness to Light: Xenon-Arc**

**TM23 Colorfastness to Burnt Gas Fumes**

**TM107 Colorfastness to Water**

**TM116 Colorfastness to Crocking: Rotary Vertical Crockmeter Method**

**TM129 Colorfastness to Ozone in the Atmosphere Under High Humidities**

**EP1 Gray Scale for Color Change**

**EP8 Chromatic Transference Scale, 9-Step**

**2.3 Federal Standard:**

**16CFR, Chapter II-Consumer Product Safety Commission, Subchapter D-Flammable Fabrics Act Regulations<sup>5</sup>**

**2.4 Military Standard:**

**ASQ/ANSI Z1.4 Sampling Procedures and Tables for Inspection by Attributes<sup>6</sup>**

**2.5 Other Documents:**

**Joint Industry Knit Upholstery Fabric Standards and Guidelines<sup>7</sup>**

**Guides for the Household Furniture Industry<sup>8</sup>**

**California Bulletin 117<sup>9</sup>**

**UFAC Fabric Classification Test Method for Cigarette Smolder Resistance<sup>10</sup>**

NOTE 1—Reference to test methods in this specification give only the permanent part of the designation of ASTM, AATCC, or other test

<sup>3</sup> The last approved version of this historical standard is referenced on [www.astm.org](http://www.astm.org).

<sup>4</sup> Available from American Association of Textile Chemists and Colorists (AATCC), P.O. Box 12215, Research Triangle Park, NC 27709, <http://www.aatcc.org>.

<sup>5</sup> Available from Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

<sup>6</sup> Available from Standardization Documents Order Desk, Bldg. 4 Section D, 700 Robbins Ave., Philadelphia, PA 19111-5094, Attn: NPODS.

<sup>7</sup> Issued 1980, available from American Furniture Manufacturers Association, Box HP-7, High Point, NC 27261.

<sup>8</sup> Available from the Bureau of Consumer Protection, Federal Trade Commission, Washington, DC 20580. Promulgated by the FTC on Dec. 21, 1973, to be effective on March 21, 1974.

<sup>9</sup> Available from California Department of Consumer Affairs, Bureau of Home Furnishings, 3485 Orange Grove Ave., North Highlands, CA 95660.

<sup>10</sup> Available from UFAC Central, Box 2436, High Point, NC 27261.

<sup>1</sup> This performance specification is under the jurisdiction of ASTM Committee D13 on Textiles and is the direct responsibility of Subcommittee D13.63 on Home Furnishings.

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<sup>2</sup> For referenced ASTM standards, visit the ASTM website, [www.astm.org](http://www.astm.org), or contact ASTM Customer Service at [service@astm.org](mailto:service@astm.org). For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.