



Designation: D4113 – 02 (Reapproved 2019)

Standard Performance Specification for Woven Slipcover Fabrics¹

This standard is issued under the fixed designation D4113; 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.

1. Scope

1.1 This performance specification covers woven fabrics comprised of any textile fiber or mixture of fibers to be used in slipcovers.

1.2 These requirements apply to both the length and width directions for those properties where fabric direction is pertinent.

1.3 *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.*

1.4 *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

D434 Test Method for Resistance to Slippage of Yarns in Woven Fabrics Using a Standard Seam (Withdrawn 2003)³

D1336 Test Method for Distortion of Yarn in Woven Fabrics

D2261 Test Method for Tearing Strength of Fabrics by the Tongue (Single Rip) Procedure (Constant-Rate-of-Extension Tensile Testing Machine)

D2724 Test Method for Bond Strength of Bonded, Fused, and Laminated Apparel Fabrics

D5034 Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test)

2.2 AATCC Test Methods:⁴

TM8 Colorfastness to Crocking: Crockmeter Method

TM15 Colorfastness to Perspiration

TM16.3 Colorfastness to Light: Xenon-Arc

TM23 Colorfastness to Burnt Gas Fumes

TM 61 Colorfastness to Laundering: Accelerated

TM 116 Colorfastness to Crocking: Rotary Vertical Crockmeter Method

TM124 Smoothness Appearance of Fabrics After Home Laundering

TM129 Colorfastness to Ozone in the Atmosphere Under High Humidities

TM132 Colorfastness to Drycleaning

TM135 Dimensional Changes of Fabrics after Home Laundering

TM187 Dimensional Changes of Fabrics: Accelerated

EP1 Gray Scale for Color Change

EP2 Gray Scale for Staining

EP8 AATCC 9-Step Chromatic Transference Scale

2.3 Other Document:⁵

UFAC Fabric Classification Test Method for Cigarette Smolder Resistance

2.4 Military Standard⁶

ASQ/ANSI Z1.4 Sampling Procedures and Tables for Inspection by Attributes

NOTE 1—Reference to standards in this performance specification give only the permanent part of the designation of ASTM, AATCC, or other standard. The current editions of each standard cited shall prevail.

3. Terminology

3.1 Definitions:

3.1.1 For definitions of textile terms used in this performance specification, refer to Terminology D123 and the Technical Manual of the American Association of Textile Chemists and Colorists.

¹ 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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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.

³ The last approved version of this historical standard is referenced on www.astm.org.

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

⁵ Available from UFAC Central, Box 2436, High Point, NC 27261.

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