



Standard Performance Specification for Men's and Boys' Woven Dress Shirt Fabrics¹

This standard is issued under the fixed designation D 3477; 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 to be used in the manufacturing of dress shirts for men and boys.

1.2 This performance specification is not applicable to woven fabrics used for interlinings.

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

1.4 The following precautionary caveat pertains only to the test method portion, Section 7, of this performance specification: *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 and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:

D 123 Terminology Relating to Textiles²

D 434 Test Method for Resistance to Slippage of Yarns in Woven Fabrics Using a Standard Seam²

D 1424 Test Method for Tear Resistance of Woven Fabrics by Falling-Pendulum (Elmendorf) Apparatus²

D 1905 Test Method for Dimensional Changes in Laundering of Woven or Knitted Textiles³

D 2261 Test Method for Tearing Strength of Woven Fabrics by the Tongue (Single Rip) Method (Constant-Rate-of-Extension Tensile Testing Machine)²

D 2262 Test Method for Tearing Strength of Woven Fabrics by the Tongue (Single Rip) Method (Constant-Rate-of-Traverse Tensile Testing Machine)²

D 2724 Test Methods for Bonded, Fused, and Laminated Apparel Fabrics²

D 2905 Practice for Statements on Number of Specimens for Textiles²

D 5034 Test Method for Breaking Force and Elongation of Textile Fabrics (Grab Test)⁴

2.2 AATCC Methods:⁵

8 Colorfastness to Crocking: AATCC Crockmeter Method

15 Colorfastness to Perspiration

16 Colorfastness to Light

23 Colorfastness to Burnt Gas Fumes

61 Colorfastness to Washing, Domestic and Laundering, Commercial: Accelerated

116 Colorfastness to Crocking; Rotary Vertical, Crockmeter Method

124 Appearance of Durable Press Fabrics after Repeated Home Launderings

132 Colorfastness to Drycleaning

135 Dimensional Changes in Automatic Home Laundering of Durable Press Woven or Knit Fabrics

Evaluation Procedure 1 Gray Scale for Color Change

Evaluation Procedure 2 Gray Scale for Staining

Evaluation Procedure 3 AATCC Chromatic Transference Scale

2.3 Federal Standard:⁶

16 CFR, Chapter II—Consumer Product Safety Commission, Subchapter D—Flammable Fabrics Act Regulations

2.4 Military Standard:⁷

MIL-STD-105D Sampling Procedures and Tables for Inspection by Attributes

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

3. Terminology

3.1 Definitions:

3.1.1 For definitions of textile terms used in this specification, refer to the individual ASTM and AATCC test methods and to Terminology D 123.

3.2 Definitions of Terms Specific to This Standard:

3.2.1 *dress shirt, n— for boys*, a shirt made with a specific collar size or numerical size and designed to be worn with a tie and jacket.

3.2.2 *dress shirt, n— for men*, a shirt made with a specific

¹ This specification is under the jurisdiction of ASTM Committee D-13 on Textiles, and is the direct responsibility of Subcommittee D13.61 on Apparel.

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² *Annual Book of ASTM Standards*, Vol 07.01.

³ Discontinued—See 1977 *Annual Book of ASTM Standards*, Part 32.

⁴ *Annual Book of ASTM Standards*, Vol 07.02.

⁵ AATCC Technical Manual, available from the American Association of Textile Chemists and Colorists, P. O. Box 12215, Research Triangle Park, NC 27709.

⁶ Available from Superintendent of Documents, Government Printing Office, Washington, DC 20402.

⁷ Available from Standardization Documents Order Desk, Bldg. 4 Section D, 700 Robbins Ave., Philadelphia, PA 19111-5094, Attn: NPODS.