



Designation: D 3597 – 95a

Standard Specification for Woven Upholstery Fabrics—Plain, Tufted, or Flocked¹

This standard is issued under the fixed designation D 3597; 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 specification covers the performance requirements for plain, tufted, or flocked woven upholstery fabrics as used in the manufacture of new indoor furniture. These requirements apply to both the warp and filling directions for those factors where each fabric direction is pertinent.

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

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 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 1175 Method of Abrasion Resistance of Textile Fabrics (Oscillatory Cylinder and Uniform Abrasion)³

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

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 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 Test Methods:⁵

8 Colorfastness to Crocking:
Crockmeter Method

16 Colorfastness to Light

23 Colorfastness to Burnt Gas Fumes

107 Colorfastness to Water

116 Colorfastness to Crocking:

Rotary Vertical Crockmeter Method⁵

129 Colorfastness to Ozone in the Atmosphere Under High Humidities

Gray Scale for Color Change, Evaluation Procedure 1

Chromatic Transference Scale, Evaluation Procedure 3

Specifications Standards Test Procedures for Upholstered Furniture Fabrics⁶

Guides for the Household Furniture Industry⁷

2.3 Federal Standard:

16CFR, Chapter II—Consumer Product Safety Commission,
Subchapter D—Flammable Fabrics Act Regulation⁸

2.4 Military Standard:

MIL-STD-105D Sampling Procedures and Tables for Inspection by Attributes⁹

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 For definitions of textile terms used in this specification, refer to Terminology D 123. Definitions found in a dictionary of common terms are suitable for terms used in this specification.

4. Significance and Use

4.1 Upon mutual agreement between the purchaser and the supplier, woven fabrics intended for this end use should meet all of the requirements listed in Table 1 of this specification.

4.2 It is recognized that for purposes of fashion or aesthetics the ultimate consumer of articles made from these fabrics may find acceptable fabrics that do not conform to all of the requirements in Table 1. Therefore, one or more of the requirements listed in Table 1 may be modified by mutual

¹ This specification is under the jurisdiction of ASTM committee D-13 on Textiles, and is the direct responsibility of Subcommittee D13.56 on Performance Standards for Textile Fabrics.

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

³ Discontinued—Replaced by D 4157 and D 4158 in *Annual Book of ASTM Standards*, Vol 07.01.

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 Issued in 1969 by the National Association of Furniture Manufacturers and the National Retail Furniture Association. Available from Home Furniture Manufacturers Assn., P. O. Box HP-7, High Point, NC 27261.

⁷ Available from the Bureau of Consumer Protection, Federal Trade Commission, Washington, DC 20580.

⁸ Available from Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

⁹ Available from Standardization Documents Order Desk, Bldg. 4 Section D, 700 Robbins Ave., Philadelphia, PA 19111-5094, Attn: NPODS.