Designation: D7268 – 23

Standard Performance Specification for Seamless Knit Garments Including Intimates and Swimwear[1]

This standard is issued under the fixed designation D7268; 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 evaluation of specific performance characteristics of importance in seamless knit garments, including camisoles, panties, slips, girdles and swimwear.

1.2 The following safety hazards caveat pertains only to the test methods described in 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, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

1.3 *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 (See Note 1)

2.1 *ASTM Standards:*[2]

D123 Terminology Relating to Textiles
D629 Test Methods for Quantitative Analysis of Textiles
D2594 Test Method for Stretch Properties of Knitted Fabrics Having Low Power
D2905 Practice for Statements on Number of Specimens for Textiles (Withdrawn 2008)[3]
D3136 Terminology Relating to Care Labeling for Apparel, Textile, Home Furnishing, and Leather Products (Withdrawn 2023)[3]
D3786 Test Method for Bursting Strength of Textile Fabrics—Diaphragm Bursting Strength Tester Method
D6797 Test Method for Bursting Strength of Fabrics Constant-Rate-of-Extension (CRE) Ball Burst Test
D7022 Terminology Relating to Apparel (Withdrawn 2022)[3]

2.2 *AATCC Test Methods:*[4]

TM8 Colorfastness to Crocking: AATCC Crockmeter Method
TM15 Colorfastness to Perspiration
TM16.3 Colorfastness to Light: Xenon Arc
TM20 Fiber Analysis: Qualitative
TM20 A Fiber Analysis: Quantitative
TM61 Colorfastness to Laundering: Accelerated
TM106 Colorfastness to Water: Sea
TM107 Colorfastness to Water
TM116 Colorfastness to Crocking: Rotary Vertical Crockmeter
TM132 Colorfastness to Drycleaning
TM150 Dimensional Changes of Garments after Home Laundering
TM158 Dimensional Changes on Drycleaning in Perchloroethylene: Machine
TM162 Colorfastness to Water: Chlorinated Pool
TM172 Colorfastness to Non-Chlorine Bleach in Home Laundering
TM179 Skewness Change in Fabric and Garment Twist Resulting from Automatic Home Laundering
TM188 Colorfastness to Sodium Hypochlorite Bleach in Home Laundering
EP1 Gray Scale for Color Change
EP2 Gray Scale for Staining
EP8 AATCC 9–Step Chromatic Transference Scale
M11 A Glossary for AATCC Standard Terminology
AATCC-ASTM TS-001 Quick Methods for Colorfastness to Chlorine and Non-Chlorine Bleach

Note 1—AATCC-ASTM TS-001 contains quick test methods for color change from chlorine and non-chlorine bleach. The methods have not been validated for verified. In case of dispute use AATCC 172 and/or 188 for bleach test results.

2.3 *Federal Standards:*[5]

16 CFR 1610 Flammable Fabrics Act

Note 2—Reference to test methods in this specification give only the

[1] This specification is under the jurisdiction of ASTM Committee D13 on Textiles and is the direct responsibility of Subcommittee D13.61 on Apparel.

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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, P.O. Box 12215, Research Triangle Park, NC 27709.

[5] Available from Superintendent of Documents, Government Printing Office, Washington, DC 20402.