



Designation: D5378 – 93 (Reapproved 2000)

Standard Performance Specification for Woven and Knitted Shower Curtains for Institutional and Household Use¹

This standard is issued under the fixed designation D5378; 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 woven and knitted shower curtains for use in institutional and household environments.

1.2 This specification may be used by mutual agreement between purchaser and supplier to establish purchasing specification requirements.

1.3 The requirements in **Table 1** apply to the length and width directions for those properties where fabric direction is pertinent.

1.4 This specification is not applicable for coated, laminated or vinyl product.

1.5 *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:*²

D123 Terminology Relating to Textiles²

D629 Test Methods for Quantitative Analysis of Textiles²

D1776 Practice for Conditioning and Testing Textiles²

D2905 Practice for Statements on Number of Specimens for Textiles^{3 2}

D3136 Terminology Relating to Care Labeling for Apparel, Textile, Home Furnishing, and Leather Products⁴

D3786 Test Method for Bursting Strength of Textile Fabrics—Diaphragm Bursting Strength Tester Method⁴

D3882 Test Method for Bow and Skew in Woven and Knitted Fabrics⁴

D3938 Guide for Determining or Confirming Care Instructions for Apparel and Other Textile Products⁴

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 *Annual Book of ASTM Standards*, Vol 07.01.

³ Withdrawn.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

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

TABLE 1 Specification Requirements

NOTE 1—Class in a, b, and c, is based on a numerical scale of 5 for negligible or no color change or color transfer to 1 for severe color change or color transfer.

Characteristic	Requirement	Section
Breaking Force (Load) (CRT)		
Dry	178 N (40 lbf), minimum	7.1.1
Wet	89 N (20 lbf), minimum	
Bursting Force (Knit Fabrics)	178 N (40 lbf), minimum	7.1.2
Nonfibrous Material	3.0 % maximum	7.1.3
Dimensional Change (L × W)	3.0 % maximum	7.1.4
Fabric Appearance	5A 3.0 minimum	7.2.1
Bow and Skewness	4.0 % maximum	7.1.5
Colorfastness:		
Laundering		7.1.6.1
Shade change	Class 4 ^A minimum	
Stain	Class 3 ^B minimum	
Crocking		7.1.6.2
Dry	Class 4 ^C minimum	
Wet	Class 4 ^C minimum	
Light (20 AATCC FU) (xenon arc)	Class 4 ^A minimum	7.1.6.3
Water Resistance		7.1.7
Categories based on minimum time for		
1-g weight		
2 ft (600 mm)	30 s shower	
2 ft (600 mm)	2 minute rain	
3 ft (915 mm)	5 minute storm	
Flammability	Pass	7.1.8
Appearance Retention	Satisfactory	7.2.1

^AAATCC Gray Scale for Color Change.

^BAATCC Gray Scale for Staining.

^CAATCC Chromatic Transference Scale.

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

2.2 *AATCC Methods:*⁵

8 Colorfastness to Crocking

16a Colorfastness to Light: Carbon Arc Lamp Continuous Light

16E Colorfastness to Light: Water Cooled Xenon-Arc, Continuous Light

35 Water Resistance: Rain Test

61 Colorfastness to Washing, Domestic and Laundering Commercial, Accelerated

88B Appearance of Seams in Wash and Wear Items After Home Laundering

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