



Designation: D4723 – 07<sup>ε1</sup>

## Standard Classification Index of and Descriptions of Textile Flammability Test Methods<sup>1</sup>

This standard is issued under the fixed designation D4723; 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 ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

<sup>ε1</sup> NOTE—Editorial changes were made in 6.2.2.1 in March 2007.

### 1. Scope

1.1 This index provides lists of test methods used in the United States of America and Canada for measuring and describing the properties of textiles and textile products or assemblies in response to heat and flame under controlled laboratory conditions. Military specifications are not included in the listing. Related but separately published sampling plans are not included.

#### 1.2 Indices:

1.2.1 An index of test methods per end use application is found in 6.1.

1.2.2 An index of test methods by publishing agency or the authority having jurisdiction is found in 6.2. The World Wide Web address of the publisher is listed so that the reader can gather specific information on the standard or regulation.

1.2.3 Although some research test methods are not included, the listing is reasonably complete for textile items of commerce.

1.3 All published ASTM textile methods are included as well as methods useful for, but not necessarily intended exclusively for, textiles.

1.4 Some documents are included solely because they may be useful for reference or research purposes.

1.5 ASTM assumes no responsibility for the suitability of the listed test methods and performance specifications to describe or appraise the fire hazard of materials, products, or assemblies under actual fire conditions. Inclusion in this listing does not constitute endorsement by ASTM.

1.6 This standard can not be used to provide quantitative measure.

### 2. Referenced Documents

#### 2.1 ASTM Standards:<sup>2</sup>

[D123 Terminology Relating to Textiles](#)

<sup>1</sup> This classification is under the jurisdiction of ASTM Committee D13 on Textiles and is the direct responsibility of Subcommittee D13.52 on Flammability.

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<sup>2</sup> 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.

[D883 Terminology Relating to Plastics](#)

[D4391 Terminology Relating to The Burning Behavior of Textiles](#)

[E176 Terminology of Fire Standards](#)

[F1494 Terminology Relating to Protective Clothing](#)

### 3. Terminology

3.1 *Definitions*—For definitions of terms relating to burning behavior, refer to Terminology [D4391](#). For definitions of other textile terms, refer to Terminology [D123](#). For definitions of terms related to plastics refer to Terminology [D883](#). For definitions related to fire science refer to Terminology [E176](#). For definitions of terms relating to protective clothing refer to Terminology [F1494](#).

### 4. Significance and Use

4.1 The information indexed provides the user with the identification of test methods, performance specifications, and related documents pertaining to the flammability or response to heat of textiles and materials.

### 5. Basis of Classification

5.1 The classification indices provides information about the end use of the test method, its identification number with no edition date, the publishing agency, and its World Wide Web (www) address so that detailed information can be obtained from the publisher.

### 6. Test Methods by End Use Application and by Publishing Agency

#### 6.1 *Index of Test Methods by End Use Application:*

##### 6.1.1 *Clothing and Textiles:*

##### 6.1.1.1 *Consumer Wearing Apparel:*

ASTM F1230  
16 CFR 1610  
16 CFR 1611  
NFPA 705  
CAN/CGSB 4.2 No. 27.3 /ISO 6941  
CAN/CGSB 4.2 No. 27.4 /ISO 6940  
CAN/CGSB 4.162

##### 6.1.1.2 *Children's Sleepwear:*

ASTM F6545  
16 CFR 1615  
16 CFR 1616

### 6.1.1.3 *Protective Clothing:*

ASTM F1506  
 ASTM F4108  
 ASTM F1891  
 NFPA 1971  
 NFPA 1975  
 NFPA 1976  
 NFPA 1977  
 NFPA 1991  
 NFPA 1992  
 NFPA 1994  
 NFPA 1999  
 NFPA 2122  
 CAN/CGSB 4.2 No. 781.1  
 CAN/CGSB 155.1  
 CAN/CGSB 155.2

### 6.1.1.4 *Textile Flammability and Heat Transfer Methods:*

ASTM F1518  
 ASTM F3411  
 ASTM F3659  
 ASTM F6413  
 ASTM F7024  
 ASTM F1291  
 ASTM F1868  
 CAN/CGSB 4.2 No. 27.1  
 CAN/CGSB 4.2 No. 27.2  
 CAN/CGSB 4.2 No. 27.5  
 CAN 4 S109  
 CAN/CGSB 4.2 No. 27.10  
 CAN/CGSB 4.2 No. 27.11  
 ULC S109

### 6.1.2 *Home and Commercial Furnishings:*

#### 6.1.2.1 *Blankets and Bed Clothing:*

ASTM F4151  
 UL 964  
 SAE ARP 5627

#### 6.1.2.2 *Curtains and Drapes:*

BFD 1X-1 Boston Fire Department  
 Fire Department Advisory Safety Provisions of New York Board of Standards and Appeals Bulletin 44  
 Port Authority of New York and New Jersey  
 CA Title 19  
 NFPA 701  
 NFPA 705  
 UL 214  
 CAN/CGSB 4.2 No. 27.3 /ISO 6941  
 CAN/CGSB 4.2 No. 27.4 /ISO 6940  
 CAN/CGSB 4.162

#### 6.1.2.3 *Wall Coverings:*

ASTM F84  
 ASTM F1354  
 ASTM F1740  
 ASTM F2257  
 BFD 1X-1 Boston Fire Department  
 NFPA 265  
 NFPA 286  
 NFPA 271  
 UL 1040  
 UL 1715  
 UL 1975  
 NFPA 271  
 CAN/CGSB S102  
 CAN 4-S124  
 ULC S102

#### 6.1.2.4 *Office Panel Systems:*

ASTM F84  
 NFPA 255  
 UL 723

#### 6.1.2.5 *Carpet, Rugs, and Flooring:*

ASTM F2859  
 ASTM F648  
 16 CFR 1630  
 16 CFR 1631  
 NFPA 253  
 CAN/CGSB 4.2 No. 27.6  
 CAN/CGSB 4.155  
 CAN/CGSB 4.162  
 CAN 4-S1022  
 CAN 4-S 117.1  
 CAN 4-S117  
 ULC S-102.2

### 6.1.2.6 *Upholstered Furniture:*

ASTM F5238  
 ASTM F1352  
 ASTM F1353  
 ASTM F1537  
 ASTM F1822  
 ASTM F1354  
 ASTM F1474  
 ASTM F1550  
 ASTM F1870  
 BFD 1X-1 Boston Fire Department  
 Fire Department Advisory Safety Provisions of New York Board of Standards and Appeals  
 Port Authority of New York and New Jersey  
 CA TB 116  
 CA TB 117  
 CA TB 133  
 UFAC  
 NFPA 260  
 NFPA 261  
 NFPA 271  
 NFPA 272  
 UL 962  
 UL 1286

### 6.1.2.7 *Mattresses and Mattress Pads:*

ASTM F5238  
 ASTM F7016  
 ASTM F7140  
 ASTM F1590  
 ASTM F1354  
 ASTM F1474  
 ASTM F1550  
 ASTM F1870  
 16 CFR 1632  
 16 CFR 1633  
 CA TB 106  
 CA TB 121  
 CA TB 129  
 CA TB 603  
 NFPA 271  
 NFPA 272  
 CAN/CGSB 4.2 No. 27.7  
 CAN/CGSB 4.162

### 6.1.3 *Outdoor and Sporting Equipment:*

#### 6.1.3.1 *Tents:*

ASTM F437  
 ASTM F1955  
 CPAI-84  
 NFPA 701  
 UL 214

#### 6.1.3.2 *Sleeping Bags:*

CPAI-75

### 6.1.4 *Materials (General and Other Uses):*

#### 6.1.4.1 *Materials (General):*

ASTM F162  
 ASTM F662  
 ASTM F906  
 ASTM F1354