



Designation: D 4723 – 07

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

This standard is issued under the fixed designation D 4723; 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.

### 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>

D 123 Terminology Relating to Textiles

D 883 Terminology Relating to Plastics

D 4391 Terminology Relating to The Burning Behavior of Textiles

E 176 Terminology of Fire Standards

F 1494 Terminology Relating to Protective Clothing

### 3. Terminology

3.1 *Definitions*—For definitions of terms relating to burning behavior, refer to Terminology D 4391. For definitions of other textile terms, refer to Terminology D 123. For definitions of terms related to plastics refer to Terminology D 883. For definitions related to fire science refer to Terminology E 176. For definitions of terms relating to protective clothing refer to Terminology F 1494.

### 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 F 1230  
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 F 6545  
16 CFR 1615  
16 CFR 1616

##### 6.1.1.3 Protective Clothing:

ASTM F 1506

<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.

ASTM F 4108  
 ASTM F 1891  
 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 F 1518  
 ASTM F 3411  
 ASTM F 3659  
 ASTM F 6413  
 ASTM F 7024  
 ASTM F 1291  
 ASTM F 1868  
 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 F 4151  
 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 F 84  
 ASTM F 1354  
 ASTM F 1740  
 ASTM F 2257  
 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 F 84  
 NFPA 255  
 UL 723

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

ASTM F 2859  
 ASTM F 648

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 F 5238  
 ASTM F 1352  
 ASTM F 1353  
 ASTM F 1537  
 ASTM F 1822  
 ASTM F 1354  
 ASTM F 1474  
 ASTM F 1550  
 ASTM F 1870  
 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 F 5238  
 ASTM F 7016  
 ASTM F 7140  
 ASTM F 1590  
 ASTM F 1354  
 ASTM F 1474  
 ASTM F 1550  
 ASTM F 1870  
 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 F 437  
 ASTM F 1955  
 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 F 162  
 ASTM F 662  
 ASTM F 906  
 ASTM F 1354  
 ASTM F 1623  
 ASTM F 2102