



Standard Index of and Descriptions of Textile Heat and Flammability Test Methods and Performance Specifications¹

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 (ε) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This index provides reference tables of test methods and performance specifications 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. Important criteria associated with each item listed is provided in tabular form.

1.2 The index in Tables 1-76 and identifies three categories:

1.2.1 *Category A*—Test methods and specifications limited to the textile product(s) for which the test method or specification, or both, were developed originally.

1.2.2 *Category B*—Test methods and specifications in which the textile product under evaluation is different from that identified with the original test method or specification, or both. The test method or specification, or both, may or may not have been modified from the corresponding material in the originating document.

1.2.3 *Category C*—Research test methods, specifications, and related documents designed to measure or describe the response of textiles to heat and flame under controlled laboratory conditions but not associated with either mandatory or voluntary conformance in connection with any specific textile end use.

1.2.3.1 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.

2. Referenced Documents

2.1 *ASTM Standards*:

D 123 Terminology Relating to Textiles²

D 4391 Terminology Relating to the Burning Behavior of Textiles³

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.

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. Enough information on each document is abstracted to allow a judgment as to the potential usefulness of the original method or specification.

5. Index of Documents

5.1 *USA Documents (Table 1)*:

5.1.1 *ASTM Standards*⁴:

	ID No. ⁴
D 1230 Test Method for Flammability of Apparel Textiles	1
D 1518 Test Method for Thermal Transmittance of Textile Materials	2
D 2859 Test Method for Flammability of Finished Textile Floor Covering Materials	3
D 2863 Test Method for Measuring the Minimum Oxygen Concentration to Support Candle-Like Combustion of Plastics (Oxygen Index)	4
D 3411 Test Methods for Flammability of Textile Materials	5
D 3659 Test Method for Flammability of Apparel Fabrics by Semi-Restraint Method	6
D 4108 Test Method for Thermal Protective Performance of Materials for Clothing by Open-Flame Method	7

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

³ *Annual Book of ASTM Standards*, Vol 07.02.

⁴ These identification numbers refer to the boldface identification numbers assigned each document.

¹ This index and description is under the jurisdiction of ASTM Committee D-13 on Textiles and is the direct responsibility of Subcommittee D13.52 on Flammability.

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