

(6) Record the time of flame spread (reading of stop watch) of each specimen and note whether the base of each specimen having a raised-fiber surface is ignited or fused to a point where the damage is apparent from the bottom of the specimen.

(7) *Results*—(i) *Time of flame spread*. The time of flame spread of the textile is taken as an average time for 5 specimens. Results of tests of specimens before and after dry cleaning and washing shall be recorded and reported separately. If the time of flame spread is less than 4 seconds⁸ or if the specimens do not burn, test 5 additional specimens. The time of flame spread is then taken to be the average time for the 10 specimens or for as many of them as burn.

(ii) *Base fabric ignition or fusing*. Base fabric ignition or fusing of textiles having raised-fiber surfaces shall be reported when the base fabric of more than 1 of the 5 (or 2 of the 10) specimens tested ignites or fuses.¹

(8) *Reporting results*. The reported result shall be the flammability before or after dry cleaning and washing, whichever is the lower; and, based on this result, the textile shall be placed in the proper classification as given in § 1610.3.

[40 FR 59891, Dec. 30, 1975, as amended at 59 FR 33194, June 28, 1994]

§ 1610.5 Notes.

The methods of test and classifications outlined herein agree with all essential requirements of the Standard Test Method for Flammability of Clothing Textiles, of the American Association of Textile Chemists and Colorists.

⁸In the Flammable Fabrics Act, Congress adopted CS 191-53 as the Commercial Standard to be applied under the law.

On August 23, 1954, the Flammable Fabrics Act was amended, changing the test for the time of flame spread for plain-surfaced fabrics, provided in paragraphs 3.1.1.1 and 3.1.3.1 [codified as §§ 1610.3(a)(1)(i) and 1610.3(a)(3)(i)], by reducing the burning time from 4 to 3½ seconds.

For the purposes of the administration of that act, therefore, the 3½-second burning time for plain-surfaced fabrics is applicable.

¹See § 1610.61(c)(3) for a clarification of the criterion for classification of Class 3.

Subpart B—Rules and Regulations

AUTHORITY: Sec. 5, 15 U.S.C. 1194.

NOTE: An interpretation, with respect to Ornamental Veils or Veilings, issued by the Federal Trade Commission at 32 FR 11850, Aug. 17, 1967, provides as follows:

Ornamental millinery veils or veilings when used as a part of, in conjunction with, or as a hat, are not to be considered such a "covering for the neck, face, or shoulders" as would, under the first proviso of section 2(d) of the Flammable Fabrics Act, cause the hat to be included within the definition of the term "article of wearing apparel" where such ornamental millinery veils or veilings do not extend more than nine (9) inches from the tip of the crown of the hat to which they are attached and do not extend more than two (2) inches beyond the edge of the brim of the hat.

Where hats are composed entirely of ornamental millinery veils or veilings such hats will not be considered as subject to the Flammable Fabrics Act if the veils or veilings from which they are manufactured were not more than nine (9) inches in width and do not extend more than nine (9) inches from the tip of the crown of the completed hat.

§ 1610.31 Terms defined.

As used in this part, unless the context otherwise specifically requires:

(a) The term *act* means the "Flammable Fabrics Act" (approved June 30, 1953, Pub. Law 88, 83d Congress, 1st sess., 15 U.S.C. 1191; 67 Stat. 111) as amended, 68 Stat. 770, August 23, 1954.

(b) The terms *rule*, *rules*, *regulations*, and *rules and regulations*, mean the rules and regulations prescribed by the Commission pursuant to section 5(c) of the act.

(c) The term *United States* means, the several States, the District of Columbia, the Commonwealth of Puerto Rico and the Territories, and Possessions of the United States.

(d) The terms *marketing or handling* means the transactions referred to in section 3 of the Flammable Fabrics Act, as amended in 1967.

(e) The terms *uncovered or exposed part* of an article of wearing apparel as used in section 4(a) of the act, mean that part of such article of apparel which might during normal wear be open to flame or other means of ignition.

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NOTE: The outer surface of an undergarment is considered to be an uncovered or exposed part of an article of wearing apparel, and thus subject to the act.

(f) The term *textile fabric* means any coated or uncoated material subject to the act, except film and fabrics having a nitro-cellulose fiber, finish, or coating, which is woven, knitted, felted or otherwise produced from any natural or manmade fiber, or substitute therefor, or combination thereof, of two inches or more in width, and which is in a form or condition ready for use in wearing apparel.

(g) The term *plain surface textile fabric* means any textile fabric which does not have an intentionally raised fiber or yarn surface such as a pile, nap, or tuft, but shall include those fabrics having fancy woven, knitted or flock printed surfaces.

(h) The term *raised surface textile fabric* means any textile fabric which has an intentionally raised fiber or yarn surface such as a pile, nap, or tufting.

(i) The term *film* means any nonrigid, unsupported plastic, rubber or other synthetic or natural film or sheeting, subject to the Act, or any combination thereof, including transparent, translucent, and opaque material, whether plain, embossed, molded, or otherwise surface treated, which is in a form or condition ready for use in wearing apparel, and shall include film or sheeting exceeding 10 mils in thickness.

(j) The term *test* means the application of the relevant test method prescribed in the procedures provided under section 4(a) of the Act.

(k) [Reserved]

(l) The term *finish type* means a particular finish, but does not include such variables as changes in color, pattern, print, or design, or minor variations in the amount or type of ingredients in the finish formulation. Examples of finish types would be starch finishes, resin finishes or parchmented finishes.

(m) The definition of terms contained in section 2 of the Act shall be applicable also to such terms when used in rules promulgated under the act.

[40 FR 59891, Dec. 30, 1975, as amended at 49 FR 48683, Dec. 14, 1984]

§ 1610.32 General requirements.

(a) No article of wearing apparel or fabric subject to the act and regulations shall be marketed or handled if such article or fabric, when tested according to the procedures prescribed in section 4(a) of the act, is so highly flammable as to be dangerous when worn by individuals.

(b) The provisions of §1610.4(g)(7) of the Standard for the Flammability of Clothing Textiles, relating to results of testing, shall be applied to tests of fabrics and articles of wearing apparel subject to the Standard. To compute the average time of flame spread for each set of five specimens, at least two of the specimens must ignite and burn the stop cord for the specimen. However, if fewer than two specimens of any given set of five ignite and burn the entire length of the specimen, test results shall be interpreted according to the provisions of paragraphs (b)(1) through (b)(4) of this section.

(1) If no specimen ignites and burns the stop cord, the results of that test shall be regarded as Class 1 (passing).

(2) If only one of five specimens of a plain surface fabric ignites and burns the stop cord with a time of 3.5 seconds or more, the results of that test shall be regarded as Class 1 (passing).

(3) If only one of five specimens of a raised-fiber surface fabric ignites and burns in less than 4 seconds, but the base does not ignite or fuse, the results of that test shall be regarded as Class 1 (passing). If only one of five specimens of a raised-fiber surface fabric ignites or burns in more than 4 seconds, regardless of whether the base fabric ignites or fuses, the results of that test shall be regarded as Class 1 (passing).

(4) If only one specimen ignites and burns the stop cord in less than 3.5 seconds for plain-surface fabrics or less than 4.0 seconds for raised-fiber surface fabrics where the base fabric ignites or fuses, test another set of five specimens. See §1610.4(g)(7). Compute the average time of flame spread for all 10 specimens. If two or more of the specimens ignite and burn the stop cord, average the results from all specimens which ignited and burned the stop cord. See §§1610.3(a)(3) and 1610.4(g)(7). If only one of the ten specimens ignites