

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

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and burns the stop cord, the test is inconclusive. The Commission will take no enforcement action on the basis of that test. The Commission may conduct additional testing of the fabric or article of wearing apparel, but the results of any inconclusive test shall not be averaged with results obtained from any other test.

[50 FR 7761, Feb. 26, 1985; 50 FR 11848, Mar. 26, 1985]

#### § 1610.33 Test procedures for textile fabrics and film.

(a)(1) All textile fabrics (except those with a nitro-cellulose fiber, finish or coating) intended or sold for use in wearing apparel, and all such fabrics contained in articles of wearing apparel, shall be subject to the requirements of the act, and shall be deemed to be so highly flammable as to be dangerous when worn by individuals if such fabrics or any uncovered or exposed part of such articles of wearing apparel exhibits rapid and intense burning when tested under the conditions and in the manner prescribed in subpart A of this part, and identified as "Flammability of Clothing Textiles, Commercial Standard 191-53".

(2) Notwithstanding the provisions of paragraph (a)(1) of this section, coated fabrics, except those with a nitro-cellulose coating, may be tested under the procedures outlined in part 1611, the flammability standard incorporated in the Commercial Standard promulgated by the Secretary of Commerce effective May 22, 1953, and identified as "General Purpose Vinyl Plastic Film, Commercial Standard 192-53", and if such coated fabrics do not exhibit a rate of burning in excess of that specified in §1611.3 they shall not be deemed to be so highly flammable as to be dangerous when worn by individuals.

(b) All film, and textile fabrics with a nitro-cellulose fiber, finish or coating intended or sold for use in wearing apparel, and all film and such textile fabrics referred to in this rule which are contained in articles of wearing apparel, shall be subject to the requirements of the act, and shall be deemed to be so highly flammable as to be dangerous when worn by individuals if such film or such textile fabrics or any uncovered or exposed part of such arti-

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cles of wearing apparel exhibit a rate of burning in excess of that specified in part 1611, the flammability standard incorporated in the Commercial Standard promulgated by the Secretary of Commerce effective May 22, 1953, and identified as "General Purpose Vinyl Plastic Film, Commercial Standard 192-53."

#### § 1610.34 Only uncovered or exposed parts of wearing apparel to be tested.

In determining whether an article of wearing apparel is so highly flammable as to be dangerous when worn by individuals, only the uncovered or exposed part of such article of wearing apparel shall be tested according to the applicable procedures set forth in section 4(a) of the act.

NOTE: If the outer layer of plastic film or plastic-coated fabric of a multilayer fabric separates readily from the other layers, the outer layer shall be tested under part 1611—Standard for the Flammability of Vinyl Plastic Film. If the outer layer adheres to all or a portion of one or more layers of the underlying fabric, the multi-layered fabric may be tested under either part 1610—Standard for the Flammability of Clothing Textiles or part 1611. However, if the conditioning procedures required by §1610.4(f) of the Standard for the Flammability of Clothing Textiles would damage or alter the physical characteristics of the film or coating, the uncovered or exposed layer shall be tested in accordance with part 1611.

Plastic film or plastic-coated fabric used, or intended for use as the outer layer of disposable diapers is exempt from the requirements of the standard, provided that a sample taken from a full thickness of the assembled article passes the test in the standard (part 1610 or part 1611) otherwise applicable to the outer fabric or film when the flame is applied to the exposed or uncovered surface. See §§ 1610.36(f) and 1610.11(f).

[50 FR 7761, Feb. 26, 1985]

#### § 1610.35 Procedures for testing special types of textile fabrics under the standard.

(a) *Fabric not customarily washed or dry cleaned.* (1) Except as provided in paragraph (a)(2) of this section, any textile fabric or article of wearing apparel which, in its normal and customary use as wearing apparel would not be dry cleaned or washed, need not be dry cleaned or washed as prescribed in §§ 1610.4(d) and 1610.4(e) when tested