



Standard Terminology Relating to Protective Clothing¹

This standard is issued under the fixed designation F 1494; 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 standard defines the specialized terms used in standards developed by Committee F-23 on Protective Clothing.

1.2 Definitions of Terms, which were drafted for use only in a single standard, are also included for convenient reference. Under ASTM rules they may become full definitions in the future, if they are used in additional standards.

1.3 Additional terminology relevant to protective clothing and to the components of protective clothing can be found in Terminology D 123, D 1566, and D 4805.

2. Referenced Documents

2.1 ASTM Standards:

D 123 Terminology Relating to Textiles²

D 1566 Terminology Relating to Rubber³

D 4805 Terminology for Plastics Standards⁴

F 739 Test Method for Resistance of Protective Clothing Materials to Permeation by Liquids or Gases Under Conditions of Continuous Contact⁵

F 955 Test Method for Evaluating Heat Transfer Through Materials for Protective Clothing Upon Contact With Molten Substances⁵

F 1001 Guide for Selection of Chemicals to Evaluate Protective Clothing Materials⁵

F 1002 Performance Specification for Protective Clothing for Use by Workers Exposed to Specific Molten Substances and Related Thermal Hazards⁵

F 1060 Test Method for Thermal Protective Performance of Materials for Protective Clothing for Hot Surface Contact⁵

F 1001 Guide for Selection of Chemicals to Evaluate Protective Clothing Materials⁵

F 1002 Performance Specification for Protective Clothing for Use by Workers Exposed to Specific Molten Substances and Related Thermal Hazards⁵

F 1154 Practices for Qualitatively Evaluating the Comfort, Fit, Function, and Integrity of Chemical Protective Suit Ensembles⁵

F 1291 Test Method for Measuring the Thermal Insulation of Clothing Using a Heated Manikin⁵

F 1358 Test Method for Effects of Flame Impingement on Materials Used in Protective Clothing Not Designated Primarily for Flame Resistance⁵

F 1359 Test Method for Liquid Penetration Resistance of Protective Clothing or Protective Ensembles Under a Shower Spray While on a Mannequin⁵

F 1383 Test Method for Resistance of Protective Clothing Materials to Permeation by Liquids or Gases Under Conditions of Intermittent Contact⁵

F 1407 Test Method for Resistance of Chemical Protective Clothing Materials to Liquid Permeation-Permeation Cup Method⁵

F 1414 Test Method for Measurement of Cut Resistance to Chain Saw in Lower Body (Legs) Protective Clothing⁵

F 1449 Guide for Care and Maintenance of Flame Resistant and Thermally Protective Clothing⁵

F 1458 Test Method for Measurement of Cut Resistance to Chain Saw of Foot Protective Devices⁵

F 1461 Practice for a Chemical Protective Clothing Program⁵

F 1670 Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Synthetic Blood⁵

F 1671 Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Blood-Borne Pathogens Using Phi-X174 Bacteriophage Penetration as a Test System⁵

F 1731 Practice for Body Measurements and Sizing of Fire and Rescue Services Uniforms and Other Thermal Hazard Protective Clothing⁵

3. Terminology

3.1 Definitions:

after-flame time, *n*—the length of time for which a material continues to flame after the ignition source has been removed. (F23.20) F 1358

afterglow, *n*—a glow in a material after the removal of an external ignition source or after the cessation (natural or induced) of flaming of the material (see also **glow**).

¹ This terminology is under the jurisdiction of ASTM Committee F-23 on Protective Clothing and is the direct responsibility of Subcommittee F23.91 on Editorial.

Current edition approved August 10, 1999. Published August 1999. Originally published as F 1494 – 93. Last previous edition F 1494 – 94^{ε2}.

² Annual Book of ASTM Standards, Vol 07.01.

³ Annual Book of ASTM Standards, Vol 09.01.

⁴ Annual Book of ASTM Standards, Vol 08.03.

⁵ Annual Book of ASTM Standards, Vol 11.03.