

**Canadian General Standard Board (CGSB)**

CAN/CGSB 155.1	Firefighters' Protective Clothing for Protection Against Heat and Flame
CAN/CGSB 155.20	Workwear for Protection Against Hydrocarbon Flash Fire
CAN/CGSB 155.22	Fireline Workwear for Forest Firefighters
CAN/CGSB 4.2 N° 27.1	Flame Resistance - Vertical Burning Test
CAN/CGSB 4.2 N° 27.2	Flame Resistance - Surface Burning Test
CAN/CGSB 4.2 N° 27.3	Measurement of flame spread properties of vertically oriented specimens
CAN/CGSB 4.2 N° 27.4	Textile fabrics - Burning Behaviour - Determination of ease of Ignition of Vertically Oriented Specimens
CAN/CGSB 4.2 N° 27.5	Flame Resistance - 45° Angle Test (One second flame)
CAN/CGSB 4.2 N° 27.6	Flame Resistance - Methenamine Tablet Test for Textile Floor Coverings
CAN/CGSB 4.2 N° 27.7	Combustion Resistance of Mattresses - Cigarette Test
CAN/CGSB 4.2 N° 27.10	Flame Resistance - Vertically Oriented Textile Fabric or Fabric Assembly Test
CAN/CGSB 4.2 N° 78.1	Thermal Protective Performance of Materials for Clothing

American Society for Testing and Materials (ASTM)

ASTM C 1166	Standard Test Method for Flame Propagation of Dense and Cellular Elastomeric Gaskets and Accessories
ASTM D 1230	Flammability of Clothing Textiles
ASTM D 2859	Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials
ASTM D 3675	Surface Flammability of Flexible Cellular Materials Using a Radiant Heat Energy Source
ASTM D 4108	Thermal Protective Performance of Materials for Clothing by Open-Flame Method
ASTM D 4804	Flammability characteristics of non rigid solid plastics
ASTM D 635	Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position
ASTM D 6413	Flame Resistance of Textiles (Vertical Test)
ASTM D 3675	Standard Test Method for Surface Flammability of Flexible Cellular Materials Using a Radiant Heat Energy Source
ASTM E 662	Standard Test Method for Specific Density of Smoke Generated by Solid Materials
ASTM E 648	Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source
ASTM E 1354	Standard Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter
ASTM E 162	Standard Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source
ASTM F 1358	Flame Impingement on Materials for Protective Cloth. Not Designated Primarily for Flame Resistance
ASTM F1939-99a	Standard Test Method for Radiant Protective Performance of Flame Resistant Clothing Materials
ASTM F 2700	Unsteady-State Heat Transfer Eval. of Flame Resistant Materials for Clothing with Continuous Heating

**National Fire Protection Association (NFPA)**

NFPA 1971	Standard on Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting
NFPA 1975	Standard on Station/Work Uniforms for Fire and Emergency Services
NFPA 1977	Standard on Protective Clothing and Equipment for Wildland Fire Fighting
NFPA 1999	Standard on Protective Clothing for Emergency Medical Operations
NFPA 2112	Standard on Flame-Resistant Garments for Protection of Industrial Personnel Against Flash Fire
NFPA 253	Standard Method of Test for Critical Radiant Flux for Floor Covering Systems Using a Radiant Heat Energy Source
NFPA 258	Recommended Practice for Determining Smoke Generation of solid Materials
NFPA 260	Cigarette Ignition Resistance of Components of Upholstered Furniture - Cover Fabric Test
NFPA 701	Standard Methods of Fire Tests for Flame Propagation of Textiles and Films - Test Method 1 and Test method 2
NFPA 705	Recommended Practice for a Field Flame Test for Textiles and Films

**Department of Transportation (DOT) & Federal Aviation Administration (FAA)**

DOT/FAA/AR00/12 - Chapter 1*	Vertical Bunsen Burner Test for Cabin and Cargo Compartment Materials
DOT/FAA/AR00/12 - Chapter 2*	45-Degree Bunsen Burner Test for Cargo Compartment Liners and Waste Stowage Compartment Materials
DOT/FAA/AR00/12 - Chapter 3*	Horizontal Bunsen Test for Cabin, Cargo Compartment, and Miscellaneous Materials
DOT/FAA/AR00/12 - Chapter 4*	60-Degree Bunsen Burner Test for Electric Wire
DOT/FAA/AR00/12 - Chapter 5*	Heat Release Rate Test for Cabin Materials
DOT/FAA/AR00/12 - Chapter 6*	The Smoke Test for Cabin Materials
FAR 25.853 appendix F part I – paragraph 4	Vertical flammability
FAR 25.853 appendix F part I – paragraph 5	Horizontal flammability
FAR 25.853 appendix F part I – paragraph 6	Forty five degree angle flammability
FAR 25.853 appendix F part I – paragraph 7	Sixty degree flammability
FAR 25.853 appendix F part IV	Heat release rate from cabin materials

**California Technical Bulletin 117**

TB 117 - Section A, Part I	Resilient cellular materials
TB 117 - Section A, Part II	Shredded resilient cellular materials
TB 117 - Section B, Part I	Non-man-made filling materials
TB 117 - Section C	Man-made fiber filling materials
TB 117 - Section D, Part I	Resilient filling materials
TB 117 - Section D, Part II	Resilient cellular filling materials
TB 117 - Section E, Part I	Upholstery fabrics

#### International Standardization Organisation (ISO)

ISO 3795:1989	Determination of burning behaviour of interior materials
ISO 6940	Textile fabrics - Burning Behaviour - Determination of ease of Ignition of Vertically Oriented Specimens
ISO 6941	Measurement of flame spread properties of vertically oriented specimens
ISO 17492	Clothing for protection against heat and flame - Determination of heat transmission on exposure to both flame and radiant heat.
ISO 17493	Clothing and equipment for protection against heat - Test method for convective heat resistance using a hot air circulating oven.
ISO 15025	Protective clothing. Protection against heat and flame. Method of test for limited flame spread

#### Code of Federal Regulation (16 CFR)

16 CFR PART 1500.44	Method for determining extremely flammable and flammable solids.
16 CFR PART 1610	Standard for Flammability of Clothing Textiles
16 CFR PART 1615	Standard for the Flammability of Children's Sleepwear: Sizes 0 through 6X (FF 3-71)
16 CFR PART 1616	Standard for the Flammability of Children's Sleepwear: Sizes 7 through 14 (FF 5-74)
16 CFR PART 1632	Standard for the Flammability of Mattresses and Mattress Pads - Section 1632.6

Misc.	
BSS 7239	Boeing - Test method for toxic gas generation by materials on combustion
SMP 800C	Bombardier - Toxic gas generation
MVSS 302 - 1977 (1978)	Flammability of Interior Materials - Motor Vehicle, Safety Standard No. 302
CAN/ULC-S109-03	Standard for Flame Tests of Flame-Resistant Fabrics and Films
CPAI-84	Flame Resistant Materials Used in Camping Tentage - Wall and Top Materials
U.F.A.C. - 1990	Fabric Classification Test Method - Cigarette Ignition Resistance
UL 94	Test for flammability of plastic materials for parts in devices and appliances - HB, V, VTM
EN532	Flame Resistance
FTMS 191A Method 5903	Flame Resistance of Cloth; Vertical
FTMS 191A Method 5905.1	Flame Resistance of Material: High Heat Flux Flame Contact