

TESTING AND CALIBRATION LABORATORY ACCREDITATION PROGRAM (LAP)

Scope of Accreditation

Legal Name of Accredited Laboratory: **GROUPE CTT INC. / CTT GROUP INC.**

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SCC File Number:	15056
Provider:	BNQ-EL
Provider File Number:	26950-1
Accreditation Standard(s):	ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories
Fields of Testing:	Chemical/Physical Mechanical/Physical Thermal & Fire Resistance
Initial Accreditation:	1987-08-13
Most Recent Accreditation:	2024-12-23
Accreditation Valid to:	2027-08-13

*Remarque : La présente portée d'accréditation existe également en français, sous la forme d'un document distinct.
Note: This scope of accreditation is also available in French as a separately issued document.*

ANIMAL AND PLANTS (AGRICULTURE)

Soils:

(Physical Parameters)

ASTM D3080	Standard Test Method for Direct Shear Test of Soils Under Consolidated Drained Conditions
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CONSTRUCTION

(Geosynthetics)

ASTM D1203	Test Method for Volatile Loss from Plastic Film Using activated Carbon
ASTM D1593	Specification for Nonrigid Vinyl Chloride Plastic Sheeting (thickness)
ASTM D4218	Standard Test Method for Determination of Carbon Black Content in Polyethylene Compounds by the Muffle-Furnace Technique
ASTM D4355	Standard Test Method for Deterioration of Geotextiles from Exposure to Ultraviolet Light and Water (Xenon-Arc Type Apparatus)
ASTM D4491	Standard Test Method for Water Permeability of Geotextiles by Permittivity (only method A)
ASTM D4533	Standard Test Method for Trapezoid Tearing Strength of Geotextiles
ASTM D4595	Standard Test Method for Tensile Properties of Geotextiles by the Wide-Width Strip Method
ASTM D4632	Standard Test Method for Grab Breaking Load and Elongation of Geotextiles
ASTM D4716	Test Method for Determining the (In-plane) Floe Rate per Unit Width and Hydraulic Transmissivity of a Geosynthetic Using a Constant Head
ASTM D4751	Standard Test Method for Determining Apparent Opening Size of a Geotextile
ASTM D4833	Standard Test Method for Index Puncture Resistance of Geotextiles, Geomembranes and Related Products
ASTM D4884	Standard Test Method for Strength of Sewn or Thermally Bonded Seams of Geotextiles
ASTM D4885	Standard Test Method for Determining Performance Strength of Geomembranes by the Wide Strip Tensile Method
ASTM D5199	Standard Test Method for Measuring the Nominal Thickness of Geosynthetics
ASTM D5261	Standard Test Method for Measuring Mass per Unit Area of Geotextiles
ASTM D5321	Standard Test Method for Determining the Coefficient of Soil and Geosynthetic or Geosynthetic and Geosynthetic Friction by the Direct Shear Method. Only for: Procedure A and B
ASTM D5322	Standard Practice for Immersion Procedures for Evaluating the Chemical Resistance of Geosynthetics to Liquids

ASTM D5397	Standard Test Method for Evaluation of Stress Crack Resistance of Polyolefin Geomembranes Using Notched Constant Tensile Load Test
ASTM D5514	Standard Test Method for Large Scale Hydrostatic Puncture Testing of Geosynthetics
ASTM D5596	Standard Test Method for Microscopic Evaluation of the Dispersion of Carbon Black in Polyolefin Geosynthetics
ASTM D5617	Standard Test Method for Multi-Axial Tension Test for Geosynthetics
ASTM D5721	Standard Practice for Air-Oven Aging of Polyolefin Geomembranes
ASTM D5747	Standard Practice for Tests to Evaluate the Chemical Resistance of Geomembranes to Liquids
ASTM D5884	Standard Test Method for Determining Tearing Strength of Internally Reinforced Geomembranes
ASTM D5885	Standard Test Method for Oxidative Induction Time of Polyolefin Geosynthetics by High-Pressure Differential Scanning Calorimetry
ASTM D5887	Standard Test Method for Measurement of Index Flux Through Saturated Geosynthetic Clay Liner Specimens Using a Flexible Wall Permeameter
ASTM D5890	Standard Test Method for Swell Index of Clay Mineral Component of Geosynthetic Clay Liners
ASTM D5891	Standard Test Method for Fluid Loss of Clay Component of Geosynthetic Clay Liners
ASTM D5993	Standard Test Method for Measuring Mass per Unit of Geosynthetic Clay Liners
ASTM D5994	Standard Practice for Measuring Core Thickness of Textured Geomembrane
ASTM D6241	Standard Test Method for the Static Puncture Strength of Geotextiles and Geotextile-Related Products Using a 50-mm Probe
ASTM D6243	Standard Test Method for Determining the Internal and Interface Shear Resistance of Geosynthetic Clay Liner by the Direct Shear Method
ASTM D6364	Standard Test Method for Determining the Short-Term Compression Behavior of Geosynthetics
ASTM D6392	Standard Test Method for Determining the Integrity of Nonreinforced Geomembrane Seams Produced Using Thermo-Fusion Methods
ASTM D6496	Standard Test Method for Determining Average Bonding Peel Strength Between the Top and Bottom Layers of Needle-Punched Geosynthetic Clay Liners
ASTM D6567	Standard Test Method for Measuring the Light Penetration of a Turf Reinforcement Mat (TRM)
ASTM D6574	Test Method for Determining the (In-Plane) Hydraulic Transmissivity of a Geosynthetic by Radial Flow
ASTM D6637	Standard Test Method for Determining Tensile Properties of Geogrids by the Single or Multi-Rib Tensile Method
ASTM D6693	Standard Test Method for Determining Tensile Properties of Nonreinforced Polyethylene and Nonreinforced Flexible Polypropylene Geomembranes

ASTM D6707	Standard Specification for Circular-Knit Geotextile for Use in Subsurface Drainage Applications
ASTM D6768	Standard Test Method for Tensile Strength of Geosynthetic Clay Liners
ASTM D6992	Standard Test Method for Accelerated Tensile Creep and Creep-Rupture of Geosynthetic Materials Based on Time-Temperature Superposition Using the Stepped Isothermal Method
ASTM D7003	Test Method for Strip Tensile Properties of Reinforced Geomembranes
ASTM D7004	Test Method for Grab Tensile Properties of Reinforced Geomembranes
ASTM D7005	Test Method for Determining the Bond Strength (Ply Adhesion) of Geocomposites
ASTM D7179	Determining Geonet Breaking Force
ASTM D7238	Standard Test Method for Effect of Exposure of Unreinforced Polyolefin Geomembrane Using Fluorescent UV Condensation Apparatus
ASTM D7272	Standard Test Method for Determining the Integrity of Seams Used in Joining Geomembranes by Pre-manufactured Taped Methods
ASTM D7275	Standard Test Method for Tensile Properties of Bituminous Geomembranes (BGM)
ASTM D7361	Standard Test Method for Accelerated Compressive Creep of Geosynthetic Materials Based on Time-Temperature Superposition Using the Stepped Isothermal Method
ASTM D7466	Standard Test Method for Measuring the Asperity Height of Textured Geomembrane
ASTM D7737	Standard Test Method for Individual Geogrid Junction Strength
ASTM D7747	Standard Test Method for Determining Integrity of Seams Produced Using Thermo-Fusion Methods for Reinforced Geomembranes by the Strip Tensile Method
BNQ 3624-115	Tuyaux et raccords en polyéthylène (PE) -Tuyaux annelés flexibles pour le drainage - Caractéristiques et méthodes d'essais
BNQ 7009-210	Géotextiles utilisés en génie routier – Classification, caractéristiques et méthodes d'essai
CAN/CGSB 148.1-10	Geotextiles - Filtration Opening Size
CAN/CGSB 148.1-2	Mass per Unit Area (geotextiles and geomembranes)
CAN/CGSB 148.1-3	Thickness of Geotextiles
CAN/CGSB 148.1-4	Geotextiles - Normal Water Permeability Under No Compressive Load
CAN/CGSB 148.1-7.3	Grab Tensile Test for Geotextiles
ISO 10319	Geotextiles - Wide-width tensile test (as per NF EN ISO 10319)
ISO 11058	Geotextiles and geotextile-related products -- Determination of water permeability characteristics normal to the plane, without load
ISO 12236	Geotextiles and geotextile-related products - Static puncture test (CBR test) (as per NF EN ISO 12236)
ISO 12956	Geotextiles and geotextile-related products - Determination of the characteristic opening size (as per NF EN ISO 12956)

ISO 12958	Geotextiles and geotextile-related products -- Determination of water flow capacity in their plane
ISO 13438	Geotextiles and geotextile-related products - Screening test method for determining the resistance to oxidation
ISO 9863-1	Geosynthetics-Determination of thickness at specified pressures-Part 1: Single layers (only at 2kPa)
ISO 9864	Geotextiles -- Determination of mass per unit area
NF P84-507	Essais des géomembranes - Détermination de la résistance au poinçonnement statique des géomembranes et des dispositifs d'étanchéité par géomembranes - Cas du poinçon cylindrique sans support
ASTM D8117	Standard Test Method for Oxidative Induction Time of Polyolefin Geosynthetics by Differential Scanning Calorimetry

Construction Materials (excluding textile products):

Insulating Materials

ASTM C203	Standard Test Method for Breaking Load and Flexural Properties of Block-Type Thermal Insulation
ASTM D3574	Standard Test Method for Breaking Load and Flexural Properties of Block-Type Thermal Insulation ("Test E" only)
CAN/ULC S704.1	Standard for Thermal Insulation, Polyurethane and Polyisocyanurate Boards, Faced (Only for: Dimensions, Water Vapor Permeance, Dimensional Stability, Water Absorption, Flexural Strength, Compressive and Tensile Strength)
CAN/ULC S706.1	Standard for Wood Fibre Insulating Boards for Buildings Except for: Air permeance, Surface burning, Thermal resistance

Miscellaneous Construction Materials

PSTC 107	Shear Adhesion of Pressure Sensitive Tape
PSTC 5	Quick Stick of Pressure Sensitive Tape

Roof Coverings

ASTM C1185	Standard Test Methods for Sampling and Testing Non-Asbestos Fiber-Cement Flat Sheet, Roofing and Siding Shingles, and Clapboards (Only for: Flexural Strength, Density, Water Absorption, Water Tightness and Warm Water Resistance)
ASTM D4073	Test Method for Tensile-Tear Strength of Bituminous Roofing Membranes (Except for ASTM D95)
ASTM D4434	Standard Specification for Poly (Vinyl Chloride) Sheet Roofing
ASTM D4869	Standard Specification for Asphalt-Saturated Organic Felt Underlayment Used in Steep Slope Roofing (only for: Tear, Pliability, Loss on Heating, Liquid water transmission, Breaking Strength, dimensional stability, width)

ASTM D5323	Standard Practice for Determination of 2 % Secant Modulus for Polyethylene Geomembranes
ASTM D5635	Standard Test Method for Dynamic Puncture Resistance of Roofing Membrane Specimens
EN 12311-1	Flexible sheets for waterproofing - Part 1: Bitumen sheets for roof waterproofing - Determination of tensile properties
ICC-ES AC207	Acceptance Criteria For Polypropylene Roof Underlayments
ICC-ES AC48	Acceptance Criteria For Roof Underlayment for Use in Severe Climate Areas

Vapour Barriers, Water Proofing Membranes

ASTM C794	Standard Test Method for Adhesion-in-Peel of Elastomeric Joint Sealants
ASTM D5385	Standard Test Method for Hydrostatic Pressure Resistance of Waterproofing Membranes
ASTM D779	Standard Test Method for Water Resistance of Paper, Paperboard, and Other Sheet Materials by the Dry Indicator Method
CAN/CGSB-51.33	Vapour Barrier Sheet, excluding Polyethylene, for Use in Building Construction
CAN/CGSB-51.34	Pare-vapeur en feuille de polyéthylène pour bâtiments
ICC-ES AC38	Acceptance Criteria for Water-Resistive Barriers - Polymeric-Based Barriers

ELASTOMERS AND PROTECTIVE AND COATINGS

(Composites)

ASTM C297	Standard Test Method for Flatwise Tensile Strength of Sandwich Constructions
ASTM C393	Standard Test Method for Core Shear Properties of Sandwich Constructions by Beam Flexure
ASTM D1781	Standard Test Method for Climbing Drum Peel for Adhesives
ASTM D3171	Standard Test Methods for Constituent Content of Composite Materials (only for: procedures B and F).
ASTM D4541	Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers
ASTM D5961	Standard Test Method for Bearing Response of Polymer Matrix Composite Laminates
ASTM D7028	Standard Test Method for Glass Transition Temperature (DMA Tg) of Polymer Matrix Composites by Dynamic Mechanical Analysis (DMA)
ASTM D7078/D7078M	Standard Test Method for Shear Properties of Composite Materials by V-Notched Rail Shear Method
ASTM D7136/D7136M	Standard Test Method for Measuring the Damage Resistance of a Fiber-Reinforced Polymer Matrix Composite to a Drop-Weight Impact Event

ASTM D7264/D7264M	Standard Test Method for Flexural Properties of Polymer Matrix Composite Materials
ASTM D7332	Standard Test Method for Measuring the Fastener Pull-Through Resistance of a Fiber-Reinforced Polymer Matrix Composite (Proc. B)

Plastics, Resins and Rubbers:

Plastics

ASTM D1002	Standard Test Method for Apparent Shear Strength of Single-Lap-Joint Adhesively Bonded Metal Specimens by Tension Loading (Metal-to-Metal)
ASTM D1003	Standard Test Method for Haze and Luminous Transmittance of Transparent Plastics
ASTM D1004	Standard Test Method for Initial Tear Resistance of Plastic Film and Sheeting
ASTM D1204	Standard Test Method for Linear Dimensional Changes of Nonrigid Thermoplastic Sheeting or Film at Elevated Temperature
ASTM D1238	Standard Test Method for Melt Flow Rates of Thermoplastics by Extrusion Plastometer
ASTM D1239	Standard Test Method for Resistance of Plastic Films to Extraction by Chemicals
ASTM D1603	Standard Test Method for Carbon Black In Olefin Plastics
ASTM D1621	Standard Test Method for Compressive Properties Of Rigid Cellular Plastics
ASTM D1693	Standard Test Method for Environmental Stress-Cracking of Ethylene Plastics
ASTM D1709	Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method
ASTM D1790	Standard Test Method for Brittleness Temperature of Plastic Sheeting by Impact
ASTM D2344	Standard Test Method for Short-Beam Strength of Polymer Matrix Composite Materials and Their Laminates
ASTM D2412	Standard Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading
ASTM D256	Standard Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics
ASTM D2565	Standard Practice for Xenon-Arc Exposure of Plastics Intended for Outdoor Applications
ASTM D3039	Standard Test Method for Tensile Properties of Polymer Matrix Composite Materials
ASTM D3045	Standard Practice for Heat Aging of Plastics Without Load
ASTM D3163	Standard Test Method for Determining Strength of Adhesively Bonded Rigid Plastic Lap-Shear Joints in Shear by Tension Loading
ASTM D3350	Standard Specification for Polyethylene Plastics Pipe and Fittings Materials Except for: ASTM D1505, D2837, F1473, F2263, ISO 12162
ASTM D3418	Standard Test Method for Transition Temperatures of Polymers by Differential Scanning Calorimetry
ASTM D3763	Standard Test Method for High Speed Puncture Properties of Plastics Using Load and Displacement Sensors

ASTM D3895	Standard Test Method for Oxidative Induction Time of Polyolefins by Differential Scanning Calorimetry
ASTM D4329	Standard Practice for Fluorescent UV Exposure of Plastics
ASTM D4459	Standard Practice for Xenon-Arc Exposure of Plastics Intended for Indoor Applications
ASTM D4703	Standard Practice for Compression Molding Thermoplastic Materials into Test Specimens, Plaques, or Sheets
ASTM D5630	Standard Test Method for Ash Content in Plastics
ASTM D570	Standard Test Method for Water Absorption of Plastics
ASTM D5947	Standard Test Methods for Physical Dimensions of Solid Plastics Specimens
ASTM D635	Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position
ASTM D638	Standard Test Method for Tensile Properties of Plastics
ASTM D6641	Compressive Properties of Polymer Matrix Composite Materials Using a Combined Loading Compression (CLC) Test Fixture
ASTM D695	Standard Test Method for Compressive Properties of Rigid Plastics
ASTM D6988	Standard Guide for Determination of Thickness of Plastic Film Test Specimens (Only for: Method A)
ASTM D7176	Standard Specification for Non-Reinforced Polyvinyl Chloride (PVC) Geomembranes Used in Buried Applications
ASTM D7249	Standard Test Method for Facing Properties of Sandwich Constructions by Long Beam Flexure
ASTM D746	Standard Test Method for Brittleness Temperature of Plastics and Elastomers by Impact
ASTM D751	Standard Test Methods for Coated Fabrics (Only for: Dimensions and Mass, Breaking Strength (A—Grab Test Method and B—Cut Strip Test Method), Elongation, Bursting Strength (A – Ball Burst Method and B – Diaphragm Burst Method), Puncture Resistance, Tearing Strength (A—Pendulum Method and B—Tongue Tear Method), Hydrostatic Resistance (A—Mullen Type Tester), Adhesion Coating (to Fabrics), Strength of Coating, Low Temperature Bend Test, Seam Strength and Accelerated Heat Aging (Oven Method))
ASTM D790	Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials
ASTM D792	Standard Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement
ASTM D828	Tensile Properties of Paper and Paperboard Using Constant-Rate-of-Elongation Apparatus
ASTM D882	Standard Test Method for Tensile Properties of Thin Plastic Sheeting
ASTM E1131	Standard Test Method for Compositional Analysis by Thermogravimetry
ASTM E1252	Standard Practice for General Techniques for Obtaining Infrared Spectra for Qualitative Analysis
ASTM E1269	Standard Test Method for Determining Specific Heat Capacity by Differential Scanning Calorimetry

ASTM E1356	Standard Test Method for Assignment of the Glass Transition Temperatures by Differential Scanning Calorimetry or Differential Thermal Analysis
ASTM E308	Standard Practice for Computing the Colors of Objects by Using the CIE System
ASTM E424	Standard Test Methods for Solar Energy Transmittance and Reflectance (Terrestrial) of Sheet Materials
ASTM E794	Standard Test Method for Melting and Crystallization Temperatures by Thermal Analysis
ASTM E831	Standard Test Method for Linear Thermal Expansion of Solid Materials by Thermomechanical Analysis
ASTM E96	Standard Test Methods for Water Vapor Transmission of Materials
ASTM F1249	Standard Test Method for Water Vapor Transmission Rate Through Plastic Film and Sheeting Using a Modulated Infrared Sensor
ASTM F2136	Standard Test Method for Notched, Constant Ligament-Stress (NCLS) Test to Determine Slow-Crack-Growth Resistance of HDPE Resins or HDPE Corrugated Pipe
ASTM G154	Standard Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials
ASTM G155	Standard Practice for Operating Xenon-Arc Light Apparatus for Exposure of Non-Metallic Materials
ASTM G160	Standard Practice for Evaluating Microbial Susceptibility of Nonmetallic Materials by Laboratory Soil Burial
ISO 1133	Melt Flow Index
ISO 1133-1	Plastics - Methods for determining the density of non-cellular plastics - Part 1: Immersion method, liquid pycnometer method and titration method
ISO 1421	Rubber-or plastics-coated fabrics-Determination of tensile strength and elongation at break
ISO 18553	Method for assessment of the degree of pigment or carbon black dispersion in polyolefin pipes, fittings and compounds
ISO 4675	Rubber- or plastics-coated fabrics – Low temperature bend test
ISO 4892-2	Plastics - Methods of exposure to laboratory light sources - Part 2: Xenon-arc Lamps
ISO 527-3	Plastics - Determination of tensile properties - Part 3: Test conditions for films and sheets

Resins and Rubbers

ASTM D2240	Standard Test Method for Rubber Property-Durometer Hardness (for durometer of type A, Type D)
ASTM D3767	Standard Practice for Rubber-Measurement of Dimensions
ASTM D4060	Standard Test Method for Abrasion Resistance of Organic Coatings by the Taber Abraser
ASTM D412	Standard Test Methods for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers-Tension

ASTM D522	Standard Test Methods for Mandrel Bend Test of Attached Organic Coatings Only for: Test Method B
ASTM D523	Standard Test Method for Specular Gloss
ASTM D573	Standard Test Method for Rubber Deterioration in an Air Oven
ASTM D575	Standard Test Methods for Rubber Properties in Compression
ASTM D624	Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers

MARKETPLACE PRODUCTS-CONSUMER AND BUSINESS

Furniture and Consumer Articles:

Hazardous Products

CPSC-CH-C1001-09.3	Standard Operating Procedure for Determination of Phthalates
CPSC-CH-C1001-09.4	Standard Operating Procedure for Determination of Phthalates
CPSC-CH-E1001-08.3	Standard Operating Procedure for Determining Total Lead (Pb) in Children's Metal Products (Including Children's Metal Jewelry)
CPSC-CH-E1002-08.3	Standard Operating Procedure for Determining Total Lead (Pb) in Nonmetal Children's Products
CPSC-CH-E1003-09.1	Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings

MEDICAL

Medical Products:

Treatment Equipment

ASTM F1862	Standard Test Method for Resistance of Medical Face Masks to Penetration by Synthetic Blood (Horizontal Projection of Fixed Volume at a Known Velocity)
EN 14683	Medical face masks – Requirements and test methods (Only for: Method for determination of breathability (differential pressure)- Annex C)

NON-METALLIC MINERALS AND PRODUCTS

Ceramics, Clay and Clay Products:

Ceramics

ASTM C627	Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester
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TEXTILES AND FIBROUS MATERIALS

Apparel and Other Finished Textile Products:

(Others (fire and flammability))

16 CFR Part 1610	Standard for the flammability of clothing textiles– except Dry Cleaning
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)
49 CFR Part 571.302	Standard No. 302; Flammability of interior materials (FMVSS 302)
ASTM D2859	Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials
ASTM D6413	Standard Test Method for Flame Resistance of Textiles (Vertical Test)
ASTM E1354	Standard Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter.
ASTM E162	Standard Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source.
ASTM E662	Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials
ASTM F1506	Standard Performance Specification for Flame Resistant and Electric Arc Rated Protective Clothing Worn by Workers Exposed to Flames and Electric Arcs Except for: Article: 7.7 Arc Rating, Article: 7.6.2 Flammability after Dry Cleaning, Article: 7.5.1 Dimensional change after Dry Cleaning (articles # are from 2022 edition)
ASTM F1891	Standard Specification for Arc and Flame Resistant Rainwear (Except for: Tearing strength et Stiffness)
ASTM F1930	Evaluation of Flame Resistant Clothing for Protection Against Fire Simulations Using an Instrumented Manikin
Bombardier SMP 800-C	Toxic Gaz Generation
California Technical Bulletin 117	Requirements, Test Procedure and Apparatus for Testing the Flame Retardance of Resilient Filling Materials Used in Upholstered Furniture, (Only section 1)

CAN/CGSB 4.2 No. 78.1	Thermal Protective Performance of Material for Clothing
CAN/ULC S109	Flame Tests of Flame Resistant Fabrics and Films
CPAI-84	Specification for Flame-Resistant Materials in Camping Tentage
CAN/ULC S668	Standard for Liners Used for Secondary Containment of Aboveground Flammable and Combustible Liquid Tanks. Except for secondary containment liner class III and vapor transmission test
ISO 13506-1	Protective clothing against heat and flame - Part 1: Test method for complete garments -Measurement of transferred energy using an instrumented manikin
ISO 15025	Protective clothing - Protection against heat and flame - Method of test for limited flame spread
UL 94	Test for flammability of polymeric materials used for parts in devices and appliances
NFPA 701	Standard Methods of Fire Tests for Flame Propagation of Textiles and Films (Only for: Method 1)

Clothing

16 CFR Part 1500.53	Test methods for simulating use and abuse of toys and other articles intended for use by children over 36 but not over 96 months of age – (Only for-Tension Test)
ANSI/ISEA 107	High Visibility Safety Apparel and Accessories (Except for: Drycleaning (AATCC 158 method))
ASTM B117	Standard Practice for Operating Salt Spray (Fog) Apparatus
ASTM D2810	Standard Test Method for pH of Leather
ASTM E1164	Standard Practice for Obtaining Spectrometric Data for Object-Color Evaluation
ASTM E809	Standard Practice for Measuring Photometric Characteristics of Retroreflectors
ASTM E810	Standard Test Method for Coefficient of Retroreflection of Retroreflective Sheeting Utilizing the Coplanar Geometry ¹
ASTM F2992 / F2992M	Standard Test Method for Measuring Cut Resistance of Materials Used in Protective Clothing with Tomodynamometer (TDM-100) Test Equipment
ASTM F903	Standard Test Method for Resistance of Materials Use in Protective Clothing to Penetration by Liquids
CAN/CGSB 155.20	Workwear for protection against hydrocarbon flash fire and optionally steam and hot fluids. Except for: Drycleaning (AATCC 158 method) and labels
CAN/CGSB 155.22	Fireline workwear for wildland firefighters (Except for: polarizing microscope and heat thermal shrinkage)
CAN/CGSB 4.2 No. 27.5	Flame Resistance - 45° Angle Test - One Second Flame Impingement
CSA Z96	High Visibility Safety Apparel Except for: Drycleaning (ASTM D2724 method)
EN 388	Gants de protection contre les risques mécaniques-(except,blade cut)

EN 471	High Visibility Warning Clothing Except for: ISO 105-E04, ISO 105-N01, ISO 105-X11, ISO 13938-1 and ISO 4674-1 methods)
ISO 17492	Clothing for protection against heat and flame - Determination of heat transmission on exposure to both flame and radiant heat
ISO 20471	Vêtements à haute visibilité -- Méthodes d'essai et exigences (seulement pour : Détermination de la couleur)
ISO 3759	Textiles-Préparation, marquage et mesurage des éprouvettes d'étoffe et des vêtements dans les essais de détermination de la variation des dimensions
NFPA 1971	Standard on Protective Clothing for Structural Fire Fighting (Only for: Articles: 8.2 Flame resistance test 1, 8.6 Heat and thermal shrinkage, 8.10 Thermal protective performance, 8.11 Thread Melting, 8.12 Tear, 8.13 Burst Strength, 8.24 Cleaning shrinkage, 8.26 Water penetration, 8.27 Liquid penetration, 8.33 Total Heat Loss (THL), 8.45 Retroreflectivity and fluorescence test, (articles # are from edition 2018.)
NFPA 1977	Standard on Protective Clothing and Equipment for Wildland Fire Fighting Only for: Articles: 8.6 Tear resistance, 8.7 Cleaning Shrinkage, 8.9 Thread Heat Resistance, 8.16 Retroreflectivity, (Article numbers are from 2022 edition)
NFPA 1999	Standard on Protective Clothing and Ensembles for Emergency Medical Operations Only for: Article 8.28 Moisture Vapor Transmission Rate Test (article # is from 2018 edition)
NFPA 2112	Standard on Flame-Resistant Garments for Protection of Industrial Personnel against Flash Fire Only for: Articles: 8.2 HTP, 8.3 Flame Resistance Test, 8.4 Heat and Thermal Shrinkage Resistance Test, 8.5 Manikin Test, 8.6 Thread Heat Resistance) Except for Drycleaning (AATCC 158 method). (Article numbers are from 2023 edition)

Floor coverings

CAN/CGSB 4.2 No. 27.6	Flame Resistance - Methenamine Tablet Test for Textile Floor Coverings
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Textile Mill Products: (Including synthetic and natural fibres):

Aircraft Materials

FAR 25.853(a)	Vertical and Horizontal Bunsen Burner Test for Cabin and Cargo Compartment Materials
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Fabrics

AATCC 106	Colorfastness to Water: Sea (as per CAN/CGSB 4.2 No.21)
AATCC 107	Colorfastness to Water (as per CAN/CGSB 4.2 No.20)
AATCC 112	Formaldehyde Release from Fabric, Determination of: Sealed Jar Method
AATCC 116	Colorfastness to Crocking: Rotary Vertical Crockmeter Method
AATCC 117	Colorfastness to Heat: Dry (Excluding: Pressing)

AATCC 118	Oil Repellency: Hydrocarbon Resistance Test
AATCC 127	Water Resistance: Hydrostatic Pressure Test
AATCC 132	Colorfastness to Drycleaning (as per CAN/CGSB 4.2 No. 29.1)
AATCC 133	Colorfastness to Heat: Hot Pressing
AATCC 135	Dimensional Changes in Automatic Home Laundering of Woven or Knit Fabrics
AATCC 15	Colorfastness to Perspiration (as per CAN/CGSB 4.2 No. 23)
AATCC 16.3	Colorfastness to Light: Xenon-Arc
AATCC 169	Weather Resistance of Textiles: Xenon Lamp Exposure
AATCC 183	Transmittance or Blocking of Erythemally Weighted Ultraviolet Radiation through Fabrics
AATCC 195	Liquid Moisture Management Properties of Textile Fabrics
AATCC 22	Water Repellency: Spray Test
AATCC 42	Water Resistance: Impact Penetration
AATCC 61	Colorfastness to Laundering Home and Commercial: Accelerated (as per CAN/CGSB 4.2 No. 19.1)
AATCC 76	Electrical Surface Resistivity of Fabrics
AATCC 8	Colorfastness to Crocking: AATCC Crockmeter Method (as per CAN/CGSB 4.2 No. 22)
AATCC 81	pH of the Water-Extract from Wet Processed Textiles
AATCC 96	Dimensional Changes in Commercial Laundering of Woven and Knitted Fabrics Except Wool
ASTM D1424	Standard Test Method for Tearing Strength of Fabrics by Falling-Pendulum Type (Elmendorf) Apparatus
ASTM D1683	Test Method for Failure in Sewn Seams of Woven Fabrics (Discontinued 1999) (as per CAN/CGSB 4.2 No. 32.2)
ASTM D1777	Standard Test Method for Thickness of Textile Materials
ASTM D2136	Standard Test Method for Coated Fabrics - Low-Temperature Bend Test
ASTM D2261	Standard Test Method for Tearing Strength of Fabrics by the Tongue (Single Rip) Procedure (Constant-Rate-of-Extension Tensile Testing Machine)
ASTM D2594	Standard Test Method for Stretch Properties of Knitted Fabrics Having Low Power
ASTM D3393	Standard Specification for Coated Fabrics, Only for: Waterproofness
ASTM D3512	Standard Test Method for Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Random Tumble Pilling Tester
ASTM D3775	Standard Test Method for Warp (End) and Filling (Pick) Count of Woven Fabrics
ASTM D3776	Standard Test Methods for Mass Per Unit Area (Weight) of Fabric
ASTM D3786	Standard Test Methods for Hydraulic Bursting Strength of Textile Fabrics-Diaphragm Bursting Strength Tester Method

ASTM D3884	Standard Guide for Abrasion Resistance of Textile Fabrics (Rotary Platform, Double-Head Method)
ASTM D3885	Standard Test Method for Abrasion Resistance of Textile Fabrics (Flexing and Abrasion Method)
ASTM D3886	Standard Test Method for Abrasion Resistance of Textile Fabrics (Inflated Diaphragm Method)
ASTM D3887	Standard Specification for Tolerances for Knitted Fabrics (Mass, , Bursting strength)
ASTM D3939	Standard Test Method for Snagging Resistance of Fabrics (Mace)
ASTM D4157	Standard Test Method for Abrasion Resistance of Textile Fabrics (Oscillatory Cylinder Method)
ASTM D434	Standard Test Method for Resistance to Slippage of Yarns in Woven Fabrics Using a Standard Seam
ASTM D4966	Standard Test Method for Abrasion Resistance of Textile Fabrics (Martindale Abrasion Tester Method) ¹
ASTM D5034	Standard Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test)
ASTM D5035	Standard Test Method for Breaking Force and Elongation of Textile Fabrics (Strip Method)
ASTM D5587	Standard Test Method for Tearing Strength of Fabrics by Trapezoid Procedure
ASTM D6797	Standard Test Method for Bursting Strength of Fabrics Constant-Rate-of-Extension (CRE) Ball Burst Test
ASTM D737	Standard Test Method for Air Permeability of Textile Fabrics
ASTM F1670	Standard Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Synthetic Blood
ASTM F1868	Standard Test Method for Thermal and Evaporative Resistance of Clothing Materials Using a Sweating Hot Plate
CAN/CGSB 4.2 No. 11.1	Bursting Strength - Diaphragm Pressure Test (as per ASTM D3786)
CAN/CGSB 4.2 No. 11.2	Bursting Strength – Ball Burst Test
CAN/CGSB 4.2 No. 12.1	Tearing Strength - Single-Rip Method (as per ASTM D2262)
CAN/CGSB 4.2 No. 12.2	Tearing Strength - Trapezoid Method
CAN/CGSB 4.2 No. 12.3	Tearing Strength - Elmendorf Ballistic Method (as per ASTM D1424)
CAN/CGSB 4.2 No. 15	Non-Fibrous Material on Textiles

CAN/CGSB 4.2 No. 18.3/ISO 105-B02	Textiles - Tests for Colourfastness - Part B02 : Colourfastness to Artificial Light: Xenon Arc Fading Lamp Test
CAN/CGSB 4.2 No. 19.1	Colourfastness to Washing - Accelerated test - Launder-Ometer (as per AATCC 61)
CAN/CGSB 4.2 No. 20	Colourfastness to Water (as per AATCC 107)
CAN/CGSB 4.2 No. 21	Colourfastness to Sea Water (as per AATCC 106)
CAN/CGSB 4.2 No. 22	Colourfastness to Rubbing (Crocking) (as per AATCC 8)
CAN/CGSB 4.2 No. 23	Colourfastness to perspiration (as per AATCC 15)
CAN/CGSB 4.2 No. 24	Colourfastness and Dimensional Change in Commercial Laundering (supersedes CGSB-4.2 N°24.2)
CAN/CGSB 4.2 No. 25.1	Dimensional change in Wetting
CAN/CGSB 4.2 No. 26.2	Textile Fabrics - Determination of Resistance to Surface Wetting (Spray Test) (as per AATCC 22)
CAN/CGSB 4.2 No. 26.3/ISO 811	Textile Fabrics - Determination of Resistance to Water Penetration - Hydrostatic Pressure Test
CAN/CGSB 4.2 No. 26.5	Water Resistance - High Pressure Penetration Test
CAN/CGSB 4.2 No. 27.10	Flame Resistance - Vertically Oriented Textile Fabric or Fabric Assembly Test
CAN/CGSB 4.2 No. 29.1	Colourfastness to Dry Cleaning Solvent (as per AATCC 132)
CAN/CGSB 4.2 No. 30	Dimensional Change in Dry-Cleaning
CAN/CGSB 4.2 No. 32.1	Resistance of Woven Fabrics to Seam Slippage
CAN/CGSB 4.2 No. 32.2	Breaking Strength of Seams in Woven Fabrics (as per ASTM D1683)
CAN/CGSB 4.2 No. 36	Air Permeability (as per ASTM D737)
CAN/CGSB 4.2 No. 37	Fabric Thickness
CAN/CGSB 4.2 No. 4.1/ISO 22198	Measurement of Width of Pieces
CAN/CGSB 4.2 No. 49	Resistance of Materials to Water Vapour Diffusion

CAN/CGSB 4.2 No. 5.1	Unit Mass of Fabrics
CAN/CGSB 4.2 No. 51.2	Resistance to Pilling - Random Tumble Pilling Tester (as per ASTM D3512)
CAN/CGSB 4.2 No. 58	Colourfastness and Dimensional Change in Domestic Laundering of Textiles
CAN/CGSB 4.2 No. 6/ISO 7211/2	Textiles - Woven Fabrics - Construction - Methods of Analysis - Part 2: Determination of Number of Threads per Unit Length
CAN/CGSB 4.2 No. 60	Textiles - Résistance aux accrocs - Essai à la masse
CAN/CGSB 4.2 No. 7	Knitted Fabric Count - Wales and Courses per Centimetre
CAN/CGSB 4.2 No. 74/ISO 3071	Textiles - Determination of pH of the Aqueous Extract
CAN/CGSB 4.2 No. 9.1	Breaking Strength of Fabrics - Strip Method - Constant-Time-to-Break Principle (as per ASTM D5035)
CAN/CGSB 4.2 No. 9.2	Breaking Strength of Fabrics - Grab Method - Constant-Time-to-Break Principle (as per ASTM D5034)
CAN/CGSB-4.2 No. 51.1	Resistance to Pilling, Rotating Box Method
FTMS 191A No 5512	Water resistance of coated cloth: High Range, Hydrostatic Pressure Method
FTMS 191A No 5516	Water resistance of cloth: Water Permeability, Hydrostatic Pressure Method
ISO 105-B02	Textiles-Tests for colour fastness-Part B02: Colour fastness to artificial light: Xenon arc fading lamp test
ISO 105-C06	Textiles -- Tests for colour fastness -- Part C06: Colour fastness to domestic and commercial laundering
ISO 105-D01	Textiles-Tests for colour fastness-Part D01: Colour fastness to drycleaning using perchloroethylene solvent
ISO 105-X12	Textiles-Tests for colour fastness-Part X12: Colour fastness to rubbing
ISO 11092	Textiles-Physiological Effects-Measurement of thermal and water-vapour resistance under steady-state conditions (sweating guarded-hotplate test)
ISO 12947-2	Textiles -- Determination of the abrasion resistance of fabrics by the Martindale method -- Part 2: Determination of specimen breakdown
ISO 13934-1	Textiles-Tensile properties of fabrics-Part 1: Determination of maximum force and elongation at maximum force using the strip method
ISO 13935-2	Textiles - Seam tensile properties of fabrics and made-up textile articles -Part 2: Determination of maximum force to seam rupture using the grab method
ISO 13997	Protective clothing-Mechanical Properties-Determination of resistance to cutting by sharp objects

ISO 17493	Clothing and equipment for protection against heat -- Test method for convective heat resistance using a hot air circulating oven
ISO 4920	Textiles -- Determination of resistance to surface wetting (spray test) of fabrics
ISO 6330	Textiles-Domestic washing and drying procedures for textile testing Except for: washing machine reference type C – pulsator type
ISO 7198	Cardiovascular implants-Tubular vascular prostheses (Only for: Determination of water permeability)
ISO 811	Textile fabrics-Determination of resistance to water penetration-Hydrostatic pressure test
ISO 9073-3	Textiles-Test methods for nonwovens-- (Only for : Part 3: Determination of tensile strength and elongation.

Fibres

ASTM D7138	Standard Test Method to Determine Melting Temperature of Synthetic Fibers
CAN/CGSB 4.2 No. 48/ISO 137	Wool - Determination of Fibre Diameter - Projection Microscope Method
CAN/CGSB 4.2 No.14	Quantitative Analysis of Fibre Mixtures

Yarns

ASTM D2256	Standard Test Method for Tensile Properties of Yarns by the Single-Strand Method
CAN/CGSB 4.2 No. 5.2	Linear Density of Yarn in SI Units
CAN/CGSB 4.2 No. 9.4	Breaking Strength of Yarns - Single Strand Method

Number of Scope Listings: 336

Notes:

AATCC: American Association of Textile Chemists and Colorists
ASTM: American Society of Testing Methods
BNQ: Bureau de normalisation du Québec
CAN: Canadian Test Method from the «Canadian General Standard Board»
CAN/CGSB: Canadian General Standard Board
CAN/ULC: Canadian Underwriters Laboratory
CFR: Code Federal Regulation
CPAI: Canvas Products Association International
CSA: Canadian Standard Association
DOT/FAA/AR: Test method from the «Federal Aviation Administration»
FAR: Federal Aviation Regulation
EN: Test method from the «European Standard Committee»
EPA: Environmental Protection Agency
FTMS: Federal Test Method Standard
GRI: Geosynthetic Research Institute
ICC-ES: International Code Council Evaluation Service
ISO: International Standard Organization
NF: Test method from the «Association française de normalisation»
NFPA: National Fire Protection Association
NQ: Test method from the «Bureau de normalisation du Québec»
PGI: PVC Geomembrane Institute
PSTC: Pressure Sensitive Tape Council
SAE: Society of Automobile Engineers
UL: Underwriters Laboratory
UPH: Test method from the «Upholstered Furniture Action Council»

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