



**Summary of Substantive Changes  
between the 2015 and the 2018 editions of  
CSA B1800 “Thermoplastic non-pressure piping compendium”**

**Presented to the IAPMO Standards Review Committee on May 7, 2018**

**General:** The changes to this standard may have an impact on currently listed products. The changes are as follows:

- Referenced publications in CSA B181.0 were updated to the current editions (see CSA B181.0, Section 2)
- There were no significant technical changes to the text in CSA B181.1 or CSA B181.2.

**Note:** This summary of changes accounts for component standards of the CSA B1800 compendium currently used for listed products as follows:

- CSA B181.0 “Definitions, general requirements, and methods of testing for thermoplastic nonpressure piping”
- CSA B181.1 “Acrylonitrile-butadiene-styrene (ABS) drain, waste, and vent pipe and pipe fittings” and,
- CSA B181.2 “Polyvinylchloride (PVC) and chlorinated polyvinylchloride (CPVC) drain, waste, and vent pipe and pipe fittings”

The remaining standards in this compendium are not used for product listing at this time and have not been reviewed as part of this summary of changes.

2, Reference publications: Referenced publications were added, removed or updated as follows:

**CSA Group**

~~B1800-14~~ “Thermoplastic nonpressure piping compendium”

~~B181.0-14~~ “Definitions, general requirements, and methods of testing for thermoplastic nonpressure piping”

~~B182.2-14~~ “PSM type polyvinylchloride (PVC) sewer pipe and fittings”

~~B182.4-14~~ “Profile polyvinylchloride (PVC) sewer pipe and fittings”

~~B182.6-14~~ “Profile polyethylene (PE) sewer pipe and fittings for leak-proof sewer applications”

~~B182.11-14~~ “Standard practice for the installation of thermoplastic drain, storm, and sewer pipe and fittings”

**CSA Group**

B602-~~10~~16 “Mechanical couplings for drain, waste, and vent pipe and sewer pipe”

**ASME (The American Society of Mechanical Engineers)**

B1.5-1997 (~~R2009~~) (R2014) “Acme Screw Threads”

**ASTM International**

A653/A653M-~~13~~15<sup>e1</sup> “Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process”



A1008/A1008M-~~13~~16 "Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Solution Hardened, and Bake Hardenable"

A1011/A1011M-~~14~~17 "Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength"

B117-~~11~~16 "Standard Practice for Operating Salt Spray (Fog) Apparatus"

D395-~~(2008)~~16<sup>e1</sup> "Standard Test Methods for Rubber Property — Compression Set"

D412-~~06a~~(2013)16 "Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers — Tension"

D471-~~12a~~16 "Standard Test Method for Rubber Property — Effect of Liquids"

D2235-04 (2011 2016) "Standard Specification for Solvent Cement for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe and Fittings"

D2240-~~05~~(2010)15 "Standard Test Method for Rubber Property — Durometer Hardness"

D2321-~~11~~14<sup>e1</sup> "Standard Practice for Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications"

D2657-~~07~~ (2015) "Standard Practice for Heat Fusion Joining of Polyolefin Pipe and Fittings"

D2855-~~96~~(2010)15 "Standard Practice for Making Solvent-Cemented Joints with Poly(Vinyl Chloride) (PVC) Pipe and Fittings"

D2990-~~09~~ 17 "Standard Test Methods for Tensile, Compressive, and Flexural Creep and Creep-Rupture of Plastics"

D3138-04 (2011) (2016) "Standard Specification for Solvent Cements for Transition Joints Between Acrylonitrile-Butadiene-Styrene (ABS) and Poly(Vinyl Chloride) (PVC) Non-Pressure Piping Components

D3222-~~07~~(2013) 05 (2015) Standard Specification for Unmodified Poly(Vinylidene Fluoride) (PVDF) Molding Extrusion and Coating Materials

D3350-~~12e~~114 Standard Specification for Polyethylene Plastics Pipe and Fittings Materials

D3965-~~05~~16 Standard Specification for Rigid Acrylonitrile-Butadiene-Styrene (ABS) Materials for Pipe and Fittings

D4101-14<sup>e2</sup> Standard Specification for Propylene Injection and Extrusion Materials

D4218-~~96~~(2008)15 Standard Test Method for Determination of Carbon Black Content in Polyethylene Compounds by the Muffle-Furnace Technique

~~D4703-10a Standard Practice for Compression Molding Thermoplastic Materials into Test Specimens, Plaques, or Sheets~~

~~D5033 (withdrawn) Standard Guide for Development of ASTM Standards Relating to Recycling and Use of Recycled Plastics~~

~~D5397-07 (2012) Standard Test Method for Evaluation of Stress-Crack Resistance of Polyolefin Geomembranes Using Notched Constant Tensile Load Test~~

D6147-97 (2008)e (2014) Standard Test Method for Vulcanized Rubber and Thermoplastic Elastomer — Determination of Force Decay (Stress Relaxation) in Compression

D6992-~~03~~(2009) 16 Standard Test Method for Accelerated Tensile Creep and Creep-Rupture of Geosynthetic Materials Based on Time-Temperature Superposition Using the Stepped Isothermal Method

~~D7209-06 Standard Guide for Waste Reduction, Resource Recovery, and Use of Recycled Polymeric Materials and Products~~

E4-~~13~~16 Standard Practices for Force Verification of Testing Machines

F412-~~13~~ 17a Standard Terminology Relating to Plastic Piping Systems

F493-~~10~~ 14 Standard Specification for Solvent Cements for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Pipe and Fittings



*F610/F610M-~~10~~ [15](#) Standard Test Method for Evaluating the Quality of Molded Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings by the Heat Reversion Technique*

*F656-~~10~~ [15](#) Standard Specification for Primers for Use in Solvent Cement Joints of Poly(Vinyl Chloride) (PVC) Plastic Pipe and Fittings*

*F1057-~~10~~ [17](#) Standard Practice for Estimating the Quality of Extruded Poly(Vinyl Chloride) (PVC) Pipe by the Heat Reversion Technique*

*F1417-11a [\(2015\)](#) Standard Practice for Installation Acceptance of Plastic Non-pressure Sewer Lines Using Low-Pressure Air*

*F2136-08 [\(2015\)](#) Standard Test Method for Notched, Constant Ligament-Stress (NCLS) Test to Determine Slow-Crack- Growth Resistance of HDPE Resins or HDPE Corrugated Pipe*

*F2736-13<sup>e1</sup> Standard Specification for 6 to 30 in. (152 to 762 mm) Polypropylene (PP) Corrugated Single Wall Pipe and Double Wall Pipe*

*F2764/F2764M-~~11a~~<sup>e1</sup> [17e1](#) Standard Specification for 30 to 60 in. [750 to 1500 mm] Polypropylene (PP) Triple Wall Pipe and Fittings for Non-Pressure Sanitary Sewer Applications*

***ULC (Underwriters Laboratories of Canada)***

*CAN/ULC-S115-11 [\(R2016\)](#) Standard Method of Fire Test of Firestop Systems*