



**Summary of Substantive Changes
between the 2015 and 2020 editions of
ASME A112.18.2/CSA B125.2 “Plumbing Waste Fittings”**

Presented to the IAPMO Standards Review Committee on September 15, 2020

General: The changes to this standard should not have an impact on currently listed products. The significant change is:

- Added polybutylene terephthalate (PBT) as an acceptable material for plastic tubular fittings (see Section 4.1.3)

Section 2, Reference publications: Reference publications have been added, revised, or deleted as follows:

ASME (The American Society of Mechanical Engineers)/CSA Group

ASME A112.18.1-~~2012~~[2018](#)/CSA B125.1-~~12~~[18](#)

Plumbing supply fittings

ASME A112.18.6-~~2009~~[2017](#)/CSA B125.6-~~09~~[17](#)

Flexible water connections

ASME (The American Society of Mechanical Engineers)

B1.20.1-~~1983(R2006)~~[2013](#)

Pipe Threads, General Purpose, Inch

B16.23-~~2011~~[2016](#)

Cast Copper Alloy Solder Joint Drainage Fittings: DWV

B16.29-~~2012~~[2017](#)

Wrought Copper and Wrought Copper Alloy Solder — Joint Drainage Fittings — DWV

CSA Group

B125.3-~~12~~[18](#)

Plumbing fittings

B1800-~~11~~[18](#)

Thermoplastic nonpressure piping compendium

CAN/CSA-B181.1-~~11~~[18](#)

Acrylonitrile-butadiene-styrene (ABS) drain, waste, and vent pipe and pipe fittings

CAN/CSA-B181.2-~~11~~[18](#)

Polyvinylchloride (PVC) and chlorinated polyvinylchloride (CPVC) drain, waste, and vent pipe and pipe fittings

B602-~~10~~[16](#)

Mechanical couplings for drain, waste, and vent pipe and sewer pipe

ASTM International (American Society for Testing and Materials)

A48/A48M-03 (~~2008~~)[\(2016\)](#)

Standard Specification for Gray Iron Castings



[B16/B16M-10\(2015\)](#)

Standard Specification for Free-Cutting Brass Rod, Bar and Shapes for Use in Screw Machines

[B117-07a18](#)

Standard Practice for Operating Salt Spray (Fog) Apparatus

[D1784-0811](#)

Standard Specification for Rigid Poly(Vinyl Chloride) (PVC) Compounds and Chlorinated Poly(Vinyl Chloride) (CPVC) Compounds

[D2661-0814e1](#)

Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe and Fittings

[D2665-0914](#)

Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings

[D3965-0516](#)

Standard Specification for Rigid Acrylonitrile-Butadiene-Styrene (ABS) Materials for Pipe and Fittings

[D4101-0817e](#)

Standard Specification for Polypropylene Injection and Extrusion Materials

[D5927-17](#)

[Standard Classification System for and Basis for Specifications for Thermoplastic Polyester \(TPES\) Injection and Extrusion Materials Based on ISO Test Methods](#)

[E29-0813\(2019\)](#)

Standard Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications

[F628-0812^{e3}](#)

Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe With a Cellular Core

[F891-0716](#)

Standard Specification for Coextruded Poly(Vinyl Chloride) (PVC) Plastic Pipe With a Cellular Core

[F1498-08\(2012\)e1](#)

Standard Specification for Taper Pipe Threads 60° for Thermoplastic Pipe and Fittings

Section 3, Definitions and abbreviations: Definitions and abbreviations were added as follows:

3.1 Definitions

Overflow — *a conduit that is integral or attached to a fixture and whose function is to remove liquid from a fixture after the fixture has been filled past the desired level.*

3.2 Abbreviations

PBT — *polybutylene terephthalate*



Section 4, General requirements: Added polybutylene terephthalate (PBT) as an acceptable material for plastic tubular fittings as follows:

4.1.3 Plastic tubular waste fittings

Plastic tubular waste fittings shall be made of acrylonitrile-butadiene-styrene (ABS), polypropylene (PP), ~~or~~ polyvinylchloride (PVC), [or polybutylene terephthalate \(PBT\)](#), and shall comply with or exceed one or more of the following cell classifications:

- a) ABS for fittings and mechanical joints: cell classification 20211 in ASTM D3965;*
- b) ABS for tubes: cell classification 42222 in ASTM D3965;*
- c) reinforced PP: cell classification PP0105G20A33350 in ASTM D4101;*
- d) unreinforced PP:
 - i) cell classification PP0110B55140 in ASTM D4101; or*
 - ii) cell classification 55230 or higher in Table B of ASTM D4101;**
- e) PVC: cell classification 12454 or 14333 in ASTM D1784; [or](#)*
- [f\) PBT: cell classification TPES 0113 in ASTM D5927.](#)*