Joint Committee Correspondence

TO: Joint Committee on Plastics and Recreational Vehicle Plumbing Components

FROM: Mr. Barry Pines, Vice Chairperson

DATE: June 1, 2020

SUBJECT: Proposed revision to NSF/ANSI 14 Plastics piping system components and related materials (14i108r1)

Draft 1 of NSF/ANSI 14 issue 108 is being forwarded to the Joint Committee for balloting. Please review the changes proposed to this Standard and submit your ballot by June 22, 2020 via the NSF Online Workspace (http://standards.nsf.org).

Please review all ballot materials. When adding comments, please include the section number applicable your comment and add all comments under one comment number whenever possible. If additional space is needed, you may upload a word or .PDF version of your comments online via the browser function.

Purpose
This ballot will update normative references in NSF/ANSI 14.

Background
This normative reference ballot contains the following updates:

- Editorial update of section 2.1 (Normative References):
- Update standard year and title
- Addition of new standards

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NSF/ANSI Standard for Plastics —

Plastics piping system components and related materials

2.1 Normative references for plastic pipe and related components


ASME A112.18.6-2017 / CSA B125.6-17. Flexible Water Connector

ANSI/ASSE 1049-2009. Performance Requirements for Individual and Branch Type Air Admittance Valves for Chemical Waste Systems

ANSI/ASSE 1050-2009. Performance Requirements for Stack Air Admittance Valves for Sanitary Drainage Systems

ANSI/ASSE 1051-2009. Performance Requirements for Individual and Branch Type Air Admittance Valves for Sanitary Drainage Systems

ANSI/ASSE 1061-2015. Performance Requirements for Push-Fit Fittings


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<td>ASTM D2464-15</td>
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<th>Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40</th>
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<th>Standard Specification for Polyethylene (PE) Gas Pressure Pipe, Tubing, and Fittings</th>
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<th>Standard Specification for Plastic Insert Fittings for Polyethylene (PE) Plastic Pipe</th>
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<td>ASTM D3261-16</td>
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ASTM D5927-17. Standard Classification System for and Basis for Thermoplastic Polyester (TPES) Injection and Extrusion Materials Based on ISO Test Methods


ASTM F894-13. Standard Specification for Polyethylene (PE) Large Diameter Profile Wall Sewer and Drain Pipe


ASTM F1055-16a. Standard Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene and Crosslinked Polyethylene (PEX) Pipe and Tubing


ASTM F1282-17. Standard Specification for Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe


ASTM F1483-17. Standard Specification for Oriented Poly(Vinyl Chloride), PVCO, Pressure Pipe


ASTM F1807-12. Standard Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring, or Alternate Stainless Steel Clamps, for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing

ASTM F1960-15a. Standard Specifications for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing


ASTM F2159-18a. Standard Specification for Plastic Insert Fittings Utilizing a Copper Crimp Ring, or Alternate Stainless Steel Clamps for SDR9 Cross-Linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing

ASTM F2306/F2306M-14e19. Standard Specification for 12 to 60 in. [300 to 1500 mm] Annular Corrugated Profile-Wall Polyethylene (PE) Pipe and Fittings for Gravity-Flow Storm Sewer and Subsurface Drainage Applications


ASTM F2648/F2648M-14e17e20. Standard Specification for 2 to 60 in [50 to 1500 mm] Annular Corrugated Profile Wall Polyethylene (PE) Pipe and Fittings for Land Drainage Applications
ASTM F2764/F2764M–17e19. Standard Specification for 6 to 60 in [150 to 1500 mm] Polypropylene (PP) Corrugated Double and Triple Wall Pipe and Fittings for Non-Pressure Sanitary Sewer Applications


ASTM F2881 / F2881M–18. Standard Specification for 12 to 60 in [300 to 1500 mm] Polypropylene (PP) Dual Wall Pipe and Fittings for Non-Pressure Storm Sewer Applications

ASTM F2929-17. Standard Specification for Crosslinked Polyethylene (PEX) Tubing of 0.070 in. Wall and Fittings for Radiant Heating Systems up to 75 psig


ANSI/AWWA C900-16. Polyvinyl Chloride (PVC) Pressure Pipe, and Fabricated Fittings, 4 in Through 60 in (100 mm Through 1500 mm)

ANSI/AWWA C901-17. Polyethylene (PE) Pressure Pipe and Tubing, 1/2 in (13 mm) Through 3 in (76 mm), for Water Service

ANSI/AWWA C904-16. Cross-Linked Polyethylene (PEX) Pressure Tubing, 1/2 in. (13 mm) Through 3 in. (76 mm), for Water Service

ANSI/AWWA C906-15. Polyethylene (PE) Pressure Pipe and Fittings, 4 in through 65 in [100 mm Through 1650 mm] Waterworks

ANSI/AWWA C907-17. Injection-Molded Polyvinyl Chloride (PVC) Pressure Fittings for Water – 4 in Through 12 in (100 mm Through 300 mm) for Water, Wastewater, and Reclaimed Water Service
ANSI/AWWA C909-16. *Molecularly Oriented Polyvinyl Chloride (PVCO) Pressure Pipe, 4 in [100 mm] and Larger*

ANSI/AWWA C950-2013. *Fiberglass Pressure Pipe*

CSA B123.3-18. *Plumbing Fittings*

CAN/CSA B137.1-1720. *Polyethylene (PE) Pipe, Tubing, and Fittings for Cold Water Pressure Services*

CAN/CSA B137.3-1720. *Rigid Polyvinyl Chloride (PVC) Pipe for Pressure Applications*

CAN/CSA B137.4-1720. *Polyethylene (PE) Piping Systems for Gas Services*

CAN/CSA B137.5-1720. *Cross-linked Polyethylene (PEX) Tubing Systems for Pressure Applications*

CAN/CSA B137.6-1720. *CPVC Pipe, Tubing, and Fittings for Hot and Cold Water Distribution Systems*

CAN/CSA B137.8-1720. *Polybutylene (PB) Piping for Pressure Applications*

CAN/CSA B137.9-1720. *Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe Systems*

CAN/CSA B137.10-1720. *Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene (PEX-AL-PEX) Composite Pressure Pipe Systems*

CAN/CSA B137.11-1720. *Polypropylene (PP-R) Pipe and Fittings for Pressure Applications*

CAN/CSA B137.18-1720. *Polyethylene of Raised Temperature Resistance (PE-RT) Tubing Systems for Pressure Applications*


CSA B181.3-18. *Polyolefin and Polyvinylidene Fluoride (PVDF) Laboratory Drainage Systems*

CSA B181.5-18. *Coextruded Acrylonitrile-Butadienestyrene / PolyvinylChloride (ABS/PVC) Drain Waste and Vent Pipe*

CSA B182.1-18. *Plastic Drain and Sewer Pipe and Pipe Fittings*

CSA B182.2-18. *PSM Type Polyvinylchloride (PVC) Sewer Pipe and Fittings (PSM Type)*

CSA B182.4 -18. *Profile Polyvinylchloride (PVC) Sewer Pipe and Fittings*

CSA B182.6-18. *Profile polyethylene (PE) Sewer Pipe and Fittings for Leak-Proof Sewer Applications*

CSA B182.8-18. *Profile polyethylene (PE) Storm Sewer and Drainage Pipe and Fittings*

CSA B182.11-18. *Standard Practice for the Installation of Thermoplastic Drain, Storm, and Sewer Pipe and Fittings*
CSA B182.13-18. Profile Polypropylene (PP) Sewer Pipe and Fittings for Leak-Proof Sewer Applications

CSA B182.14-18. Profile Steel Reinforced Polyethylene (SRPE) Storm Sewer Pipe and Fittings

CSA B182.15-18. Profile Steel Reinforced Polyethylene (SRPE) Sewer Pipe and Fittings


IAPMO Z1157-2014E1. Ball Valves

NSF/ANSI 359. Valves for Crosslinked Polyethylene (PEX) Water Distribution Tubing Systems

TR-2. PPI PVC Range Composition Listing of Qualified Ingredients (2018)


UL 1285 (6th edition). Standard for Pipe and Couplings, Polyvinyl Chloride (PVC), and Oriented Polyvinyl Chloride (PVCO) for Underground Fire Service

2.2 Normative references for compounds and other materials


ASTM D4101-17e1. Standard Specification for Polypropylene Injection and Extrusion Materials


ASTM D6778-1420. Standard Classification for Polyoxymethylene (POM, Acetal) Molding and Extrusion Materials

IAPMO PS 36-2014e1. Lead-Free Sealing Compounds for Threaded Joints

IAPMO PS 51-2016. Expansion Joints and Flexible Expansion Joints for DWV Piping Systems
2.3 International and other normative references

21 CFR Parts 1-99. Food and Drugs (Rev 4/17/19)

21 CFR Parts 100-169. Food and Drugs (Rev 4/17/19)

21 CFR Parts 170-199. Food and Drugs (Rev 4/17/19)


ASTM D2837-13e1. Standard Test Method for Obtaining Hydrostatic Design Basis for Thermoplastic Pipe Materials or Pressure Design Basis for Thermoplastic Pipe Products


ASTM D2992-18. Standard Practice for Obtaining Hydrostatic or Pressure Design Basis for Fiberglass (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe and Fittings


ASTM F1216-16. Standard Practice for Rehabilitation of Existing Pipelines and Conduits by the Inversion and Curing of a Resin-Impregnated Tube


DIN 8074. Polyethylene (PE) - Pipes, PE 80, PE 100, PE-HD – Dimensions (2011)

DIN 8075. Polyethylene (PE) pipes – PE 80, PE 100, PE-HD – General quality requirements, testing (20142018)


ISO 12162:2009. Thermoplastics materials for pipes and fittings for pressure applications – Classification, designation and design coefficient

National Institute of Standards and Technology (NIST)

NSF/ANSI 60. Drinking Water Treatment Chemicals – Health Effects

NSF/ANSI 61. Drinking Water System Components – Health Effects

PPI TR-3. Policies and Procedures for Developing Hydrostatic Design Basis (HDB), Pressure Design Basis (PDB), Strength Design Basis (SDB), and Minimum Required Strength (MRS) Ratings for Thermoplastic Piping Materials or Pipe (2018)

PPI TR-4. PPI Listing of Hydrostatic Design Basis (HDB), Strength Design Basis (SDB), Pressure Design Basis (PDB) and Minimum Required Strength (MRS) Ratings for Thermoplastic Piping Materials or Pipe (2018)