



*NSF International Standard /  
American National Standard*

## NSF/ANSI 14 - 2014

Plastics Piping System Components  
and Related Materials



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NSF International Standard/  
American National Standard  
for Plastics —

# **Plastics piping system components and related materials**

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## Contents

1	General	1
1.1	Purpose	1
1.2	Scope	1
1.3	Materials, design, and construction	1
2	Normative references	1
2.1	Normative references for plastic pipe and related components	2
2.2	Normative references for compounds and other materials	8
2.3	International and other normative references	8
3	Definitions	10
4	Requirements for plastic piping system components and related materials	14
4.1	Materials	14
4.2	Physical and performance requirements	15
4.3	Potable water requirements	15
4.4	Special engineered products	15
4.5	Marking requirements	15
4.6	Quality assurance	15
5	Physical and performance requirements	15
5.1	General	15
5.2	Long-term strength of plastic pipe	16
5.3	Requirements for PVC resins	16
5.4	Critical dimensions	16
5.5	PVC ingredients	16
5.6	Monitoring	16
5.7	Chlorine resistance – Dependent Transfer Listing requirements	17
5.8	Fittings and valves	18
6	Special engineered (SE) product requirements	18
6.1	General	18
6.2	SE specifications	19
7	Requirements for potable water plastic piping system components and related materials	19
7.1	General	19
7.2	Requirements for generic ingredients	19
7.3	Requirements for lead	21
7.4	Monitoring	21
8	Marking requirements	21
8.1	General	21
8.2	Pipe	21
8.3	Fittings and appurtenances	21
8.4	Thread compounds, sealants, gasket lubricants, solvent cement, and adhesives	22
8.5	Special engineered products	22
8.6	Ingredients	22
9	Quality assurance	22
9.1	General	22
9.2	Start-up and qualification	22
9.3	Generic ingredients	23
9.4	Verification of the calibration of equipment	23
9.5	Quality assurance records	23
9.6	Production code identification	23
9.7	Number of test specimens	23
9.8	Formulation verification for solvent cements and primers	24
9.9	Product-specific quality assurance requirements	24
Annex A		A1
Annex B		B1

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## Foreword<sup>2</sup>

The purpose of this Standard is to establish minimum physical, performance, and health effects requirements for plastics piping system components and related materials.

In this edition of NSF/ANSI 14, the following revisions have been incorporated:

### **Issue 56**

This issue addresses the frequency of the elevated temperature pressure test to match the requirements in the following ASTM standards: ASTM D2239, D2737, D3035, F714 and AWWA C906. This change is shown in Table 10A.

### **Issue 61**

This revision updated the scope of the standard in section 1.2; removed the reference to ASME 112.18.1 in section 2 and added a definition for integral in section 3.

This Standard was developed by the NSF Joint Committee on Plastics using the consensus process described in NSF Standards Development Policies and accredited by ANSI.

Suggestions for improvement of this Standard are welcome. This standard is maintained on a Continuous Maintenance schedule and can be opened for comment at any time. Comments should be sent to Chair, Joint Committee on Plastics at [standards@nsf.org](mailto:standards@nsf.org), or c/o NSF International, Standards Department, PO Box 130140, Ann Arbor, Michigan 48113-0140, USA.

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for Plastics —

# Plastics piping system components and related materials

## 1 General

### 1.1 Purpose

This Standard establishes minimum physical, performance, and health effects requirements for plastic piping system components and related materials. These criteria were established for the protection of public health and the environment.

### 1.2 Scope

The physical, performance, and health effects requirements in this Standard apply to thermoplastic and thermoset plastic piping system components including, but not limited to, pipes, fittings, valves, joining materials, gaskets, and appurtenances. The established physical, performance, and health effects requirements also apply to materials (resin or blended compounds) and ingredients used to manufacture plastic piping system components. This Standard provides definitions and requirements for materials, ingredients, products, quality assurance, marking, and recordkeeping. Plastic piping system components which are manufactured to one of the normative references in 2 and do not have integral connections specifically intended for plastic piping systems are not covered by this Standard.

### 1.3 Materials, design, and construction

For plastic piping system components and materials cited by the references in 2, the materials, design, and construction requirements of this Standard and the applicable product standard(s) in 2 shall apply. When materials, designs, or constructions are utilized that are not cited in 2, the plastic piping system components and related materials shall comply with the applicable requirements of this Standard. Plastic piping system components and related materials that incorporate materials, designs, or constructions not cited in 2 are acceptable, provided that such plastic piping system components and related materials can be demonstrated to be at least equivalent in terms of strength, quality, effectiveness, durability, and safety to those that are cited in this Standard.

## 2 Normative references

The following documents contain requirements that, by reference in this text, constitute requirements of this Standard. At the time of publication, the indicated editions were valid. All of the documents are subject to revision, and parties are encouraged to investigate the possibility of applying the recent editions of the documents indicated below. It is the responsibility of the user of this Standard to determine the acceptance of the referenced standards to the application and requirements of the local jurisdictions. The most recent published edition of the document shall be used for undated references.