



*NSF International Standard /
American National Standard*

NSF/ANSI 14 - 2012

Plastics Piping System Components
and Related Materials



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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 | 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..... | 15 |
| 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..... | 16 |
| 5.8 | Fittings and valves..... | 17 |
| 6 | Special engineered (SE) product requirements..... | 18 |
| 6.1 | General..... | 18 |
| 6.2 | SE specifications..... | 18 |
| 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..... | 20 |
| 7.4 | Monitoring..... | 20 |
| 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..... | 21 |
| 8.5 | Special engineered products..... | 21 |
| 8.6 | Ingredients..... | 21 |
| 9 | Quality assurance..... | 21 |
| 9.1 | General..... | 21 |
| 9.2 | Start-up and qualification of molds..... | 22 |
| 9.3 | Generic ingredients..... | 22 |
| 9.4 | Verification of the calibration of equipment..... | 22 |
| 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 | 23 |
| 9.9 Product-specific quality assurance requirements | 23 |
| Annex A | A1 |
| Annex B | B1 |

Foreword²

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 45

This issue proposes the addition of a footnote to Table 10 to clarify the temperature requirements for the in-plant burst pressure test specific to PEX tubing.

Issue 46

This issue proposes to update the normative references under section 2 of NSF/ANSI 14.

Issue 47

This issue proposes to update Table 33 under NSF/ANSI 14 for PVC pressure pipe and fabricated fitting for water transmission and distribution to reflect QC requirements per AWWA C900 and AWWA C905.

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. Comments should be sent to Chair, Joint Committee on Plastics, c/o NSF International at standards@nsf.org, or Standards Department, PO Box 130140, Ann Arbor, Michigan 48113-0140, USA.

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NSF/ANSI Standard 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.

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.