



*NSF International Standard /
American National Standard*

NSF/ANSI 14 - 2013

Plastics Piping System Components
and Related Materials



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Chair, Joint Committee on Plastics
c/o NSF International
789 North Dixboro Road, P. O. Box 130140
Ann Arbor, Michigan 48113-0140 USA
Phone: (734) 769-8010 Telex: 753215 NSF INTL
FAX: (734) 769-0109 E-mail: info@nsf.org
Web: <http://www.nsf.org>

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American National Standard
for Plastics —

Plastics piping system components and related materials

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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 48

This revision added a table 34 Sprinkler Pipe and Fitting Test Frequency and the normative reference for UL 1821.

Issue 49

This issues addresses the variable outcomes in Chlorine Resistance – Dependent Transfer Listing Requirements for solid wall pipe by updating the current method and adding an additional method for testing in section 5.7.1.

Issue 50

This issue addresses the updates in the normative references by updating the QC tables in NSF/ANSI 14. This includes tables 10A, 10B, 16, 17, 18, 20.

Issue 51

This issue addresses the updates in the normative references by updating the QC tables in NSF/ANSI 14. This includes tables 2, 6, 9, 13, 16, 17.

Issue 52

This issue addresses cell class testing requirements in Table 5 and section 8 and updates the normative reference ASTM F628.

Issue 53

This issue addresses mold qualification in section 9.2 and removal of reference to ASME A112.4.14.

Issue 54

The purpose of this revision was to remove the requirement from section 5.7.1 and 5.7.2 relating to the DLT method adding 5 data points.

Issue 60

This issue corrected Table 19 that was balloted under issue 50 as being changed. There is no change to Table 19.

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, or c/o NSF International, 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.