NSF International Standard /
American National Standard

NSF/ANSI 14 - 2015

Plastics Piping System Components
and Related Materials

CELEBRATING 50 YEARS 1965-2015



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NSF International Standard/
American National Standard
for Plastics —

Plastics piping system components and related materials

Standard Developer
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Contents

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Foreword[2]

The purpose of this Standard is to establish minimum physical, performance, and health effects requirements for plastics piping system components and related materials. This is the 50th anniversary of NSF/ANSI 14 first published in 1965.

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

Issue 40: This is a revision updating table 2 and table 8.

Issue 55: This is a revision to update the normative references.

Issue 57: This adds a QC table for ASTM F477. This Standard is referenced in multiple standards already in NSF/ANSI 14 and needs its own table.

Issue 58: This clarifies the pass/fail criteria for stress corrosion resistance in section 5.8.2.3.

Issue 59: This is a revision updating the reference for flattening resistance and stiffness and removing the well casing testing from Table 5.

Issue 63: This change was to add ASSE 1049 QC requirements to table 21 – Air Admittance Value Test Frequency.

Issue 64: The purpose of this revision was to add ASTM F679 QC requirements to table 12 and 13.

Issue 65: This proposal added ASTM F2806 and F2969 QC requirements to table 5.

Issue 66: This revision added ASTM %2969 QC requirements to table 10A.

Issue 68: In section 5.7 there were two melthods, this revision corrected the requirement to only one method.

Issue 69: This ballot was addressing changes/corrections in Standard 14 found during the publication review process.

Issue 70: In this ballot, the reference to CAN/CSA 448 to the most recent edition was corrected.

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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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 shall be 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.