



*NSF International Standard /
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Plastics Piping System Components
and Related Materials



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NSF International Standard/
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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.

This edition of the Standard contains the following revisions:

Issue 85

Two new QC tables were added to Section 9.

Issue 86

Normative references were updated.

Issue 87

This revision added a note to Section 5.7.2 for clarification and testing guidance.

Issue 88

Table 9.29 was updated.

Issue 89

CSA B181.0 was added as a reference to Table 9.35.

Issue 90

References in Table 9.20 were updated.

Issue 91

A QC table for cured-in-place pipe liners per ASTM F1216 was added.

Issue 92

Guidance regarding required testing when a compound is modified was incorporated into Section 5.8.

Issue 93

Product Standard NSF 358-3 was added to Table 9.37.

Issue 95

Corrections were made to Tables 9.29 and 9.35.

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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.

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. Plastic piping system components which are manufactured to one of the normative references in Section 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 Section 2, the materials, design, and construction requirements of this Standard and the applicable product standard(s) in Section 2 shall apply. When materials, designs, or constructions are utilized that are not cited in Section 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 Section 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.