



*NSF International Standard /
American National Standard*

NSF/ANSI 14 - 2016b

Plastics Piping System Components
and Related Materials



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NSF/ANSI 14-2016b

NSF International Standard/
American National Standard
for Plastics —

**Plastics piping system components
and related materials**

Standard Developer
NSF International

NSF International

Designated as an ANSI Standard
November 29, 2016
American National Standards Institute

Prepared by
The NSF Joint Committee on Plastics

Recommended for adoption by
The NSF Council of Public Health Consultants

Adopted by
NSF International
October 1965

Revised February 1977	Revised September 1996	Revised December 2009
Revised November 1978	Revised November 1998	Revised April 2010
Revised November 1980	Revised December 1999	Revised April 2011
Revised November 1983	Revised February 2001	Revised February 2012
Revised November 1984	Revised January 2002	Revised March 2013
Revised November 1985	Revised January 2003	Revised August 2014
Revised August 1986	Revised September 2004	Revised May 2016
Revised October 1987	Revised August 2006	Revised June 2016
Revised December 1988	Revised March 2007	Revised June 2017
Revised November 1990	Revised May 2008	

Published by

NSF International
PO Box 130140, Ann Arbor, Michigan 48113-0140, USA

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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 78

This revision removed polybutylene fittings from Table 11

Issue 81

Product dimensional requirements in sections 5.1 and 5.4 were clarified.

Issue 82

QC requirements for NSF 358-3 were added to the Standard.

Issue 83

A clarifying row was added to Table 9.36 – Thread Sealants.

The tables in this edition have also been changed to reflect the appropriate section in which it is located:

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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 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.