



**SLOVENSKI STANDARD**  
**SIST-TS CEN ISO/TS 15876-7:2019**  
**01-marec-2019**

**Nadomešča:**  
**SIST-TS CEN ISO/TS 15876-7:2004**

---

**Cevni sistemi iz polimernih materialov za napeljave z vročo in hladno vodo - Polibutilen (PB) - 7. del: Navodilo za ugotavljanje skladnosti (ISO/TS 15876-7:2018)**

Plastics piping systems for hot and cold water installations - Polybutylene (PB) - Part 7: Guidance for the assessment of conformity (ISO/TS 15876-7:2018)

Kunststoff-Rohrleitungssysteme für die Warm- und Kaltwasserinstallation - Polybuten (PB) - Teil 7: Empfehlungen für die Beurteilung der Konformität (ISO/TS 15876-7:2018)

Systèmes de canalisations en plastique pour les installations d'eau chaude et froide - Polybutène (PB) - Partie 7: Guide pour l'évaluation de la conformité (ISO/TS 15876-7:2018)

**Ta slovenski standard je istoveten z: CEN ISO/TS 15876-7:2018**

---

**ICS:**

23.040.20	Cevi iz polimernih materialov	Plastics pipes
91.140.60	Sistemi za oskrbo z vodo	Water supply systems

**SIST-TS CEN ISO/TS 15876-7:2019**      **en**

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST-TS CEN ISO/TS 15876-7:2019](https://standards.iteh.ai/catalog/standards/sist/5f7dd3d8-18cb-4ade-a6ec-dfe1e36f9cd5/sist-ts-cen-iso-ts-15876-7-2019)

<https://standards.iteh.ai/catalog/standards/sist/5f7dd3d8-18cb-4ade-a6ec-dfe1e36f9cd5/sist-ts-cen-iso-ts-15876-7-2019>

TECHNICAL SPECIFICATION  
SPÉCIFICATION TECHNIQUE  
TECHNISCHE SPEZIFIKATION

**CEN ISO/TS 15876-7**

December 2018

ICS 23.040.20; 91.140.60; 03.120.20

Supersedes CEN ISO/TS 15876-7:2003

English Version

**Plastics piping systems for hot and cold water installations  
- Polybutylene (PB) - Part 7: Guidance for the assessment  
of conformity (ISO/TS 15876-7:2018)**

Systèmes de canalisations en plastique pour les  
installations d'eau chaude et froide - Polybutène (PB) -  
Partie 7: Guide pour l'évaluation de la conformité  
(ISO/TS 15876-7:2018)

Kunststoff-Rohrleitungssysteme für die Warm- und  
Kaltwasserinstallation - Polybuten (PB) - Teil 7:  
Empfehlungen für die Beurteilung der Konformität  
(ISO/TS 15876-7:2018)

This Technical Specification (CEN/TS) was approved by CEN on 26 October 2018 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

Contents	Page
European foreword.....	3

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST-TS CEN ISO/TS 15876-7:2019](https://standards.iteh.ai/catalog/standards/sist/5f7dd3d8-18cb-4ade-a6ec-dfe1e36f9cd5/sist-ts-cen-iso-ts-15876-7-2019)  
<https://standards.iteh.ai/catalog/standards/sist/5f7dd3d8-18cb-4ade-a6ec-dfe1e36f9cd5/sist-ts-cen-iso-ts-15876-7-2019>

## European foreword

This document (CEN ISO/TS 15876-7:2018) has been prepared by Technical Committee ISO/TC 138 "Plastics pipes, fittings and valves for the transport of fluids" in collaboration with Technical Committee CEN/TC 155 "Plastics piping systems and ducting systems" the secretariat of which is held by NEN.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes CEN ISO/TS 15876-7:2003.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## Endorsement notice

The text of ISO/TS 15876-7:2018 has been approved by CEN as CEN ISO/TS 15876-7:2018 without any modification.

**(standards.iteh.ai)**

[SIST-TS CEN ISO/TS 15876-7:2019](https://standards.iteh.ai/catalog/standards/sist/5f7dd3d8-18cb-4ade-a6ec-dfe1e36f9cd5/sist-ts-cen-iso-ts-15876-7-2019)

<https://standards.iteh.ai/catalog/standards/sist/5f7dd3d8-18cb-4ade-a6ec-dfe1e36f9cd5/sist-ts-cen-iso-ts-15876-7-2019>

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST-TS CEN ISO/TS 15876-7:2019](https://standards.iteh.ai/catalog/standards/sist/5f7dd3d8-18cb-4ade-a6ec-dfe1e36f9cd5/sist-ts-cen-iso-ts-15876-7-2019)

<https://standards.iteh.ai/catalog/standards/sist/5f7dd3d8-18cb-4ade-a6ec-dfe1e36f9cd5/sist-ts-cen-iso-ts-15876-7-2019>

TECHNICAL  
SPECIFICATION

ISO/TS  
15876-7

Second edition  
2018-11

---

---

**Plastics piping systems for hot  
and cold water installations —  
Polybutene (PB) —**

Part 7:  
**Guidance for the assessment of  
conformity**

iTeh STANDARD PREVIEW

(standards.iteh.ai)  
 *Systèmes de canalisations en plastique pour les installations d'eau  
chaude et froide — Polybutène (PB) —*

*Partie 7: Guide pour l'évaluation de la conformité*

<https://standards.iteh.ai/catalog/standards/sist/5f7dd3d8-18cb-4ade-a6ec-dfe1e369cd5/sist-ts-cen-iso-ts-15876-7-2019>



Reference number  
ISO/TS 15876-7:2018(E)

© ISO 2018

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST-TS CEN ISO/TS 15876-7:2019](https://standards.iteh.ai/catalog/standards/sist/5f7dd3d8-18cb-4ade-a6ec-dfe1e36f9cd5/sist-ts-cen-iso-ts-15876-7-2019)

<https://standards.iteh.ai/catalog/standards/sist/5f7dd3d8-18cb-4ade-a6ec-dfe1e36f9cd5/sist-ts-cen-iso-ts-15876-7-2019>



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2018

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Fax: +41 22 749 09 47  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland



# Contents

Page

Foreword.....	iv
Introduction.....	v
<b>1 Scope.....</b>	<b>1</b>
<b>2 Normative references.....</b>	<b>1</b>
<b>3 Terms and definitions.....</b>	<b>1</b>
<b>4 Abbreviated terms.....</b>	<b>4</b>
<b>5 General.....</b>	<b>5</b>
<b>6 Testing and inspection.....</b>	<b>5</b>
6.1 Grouping.....	5
6.1.1 General.....	5
6.1.2 Pressure groups.....	5
6.1.3 Size groups.....	5
6.1.4 Fitting groups.....	6
6.2 Type testing (TT).....	6
6.3 Batch release tests (BRT).....	11
6.4 Process verification tests (PVT).....	12
6.5 Audit tests (AT).....	13
6.6 Indirect tests (IT).....	14
6.7 Test records.....	14
<b>Annex A (informative) Basic test matrix.....</b>	<b>15</b>
<b>Bibliography.....</b>	<b>16</b>

SIST-TS CEN ISO/TS 15876-7:2019  
<https://standards.iteh.ai/catalog/standards/sist/5f7dd3d8-18cb-4ade-a6ec-dfe1e36f9cd5/sist-ts-cen-iso-ts-15876-7-2019>

## ISO/TS 15876-7:2018(E)

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html). (standards.iteh.ai)

This document was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 155, *Plastics piping systems and ducting systems*, in collaboration with ISO Technical Committee TC 138, *Plastics pipes, fittings and valves for the transport of fluids*, Subcommittee SC 2, *Plastics pipes and fittings for water supplies*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO/TS 15876-7:2003), which has been technically revised.

The main changes compared to the previous edition are as follows:

- Addition of new definitions of the terms “material”, “compound” and “material grade”;
- Revision of 6.2 “Type testing (TT)”.

A list of all parts in the ISO 15876 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

## Introduction

This document can be used to support elaboration of national third party certification procedures for products conforming to the applicable part(s) of ISO 15876.

This document is a part of a System Standard for plastics piping systems of a particular material for a specified application. There are a number of such System Standards.

At the date of publication of this document, System Standards for piping systems of other plastics materials used for the same application are the following:

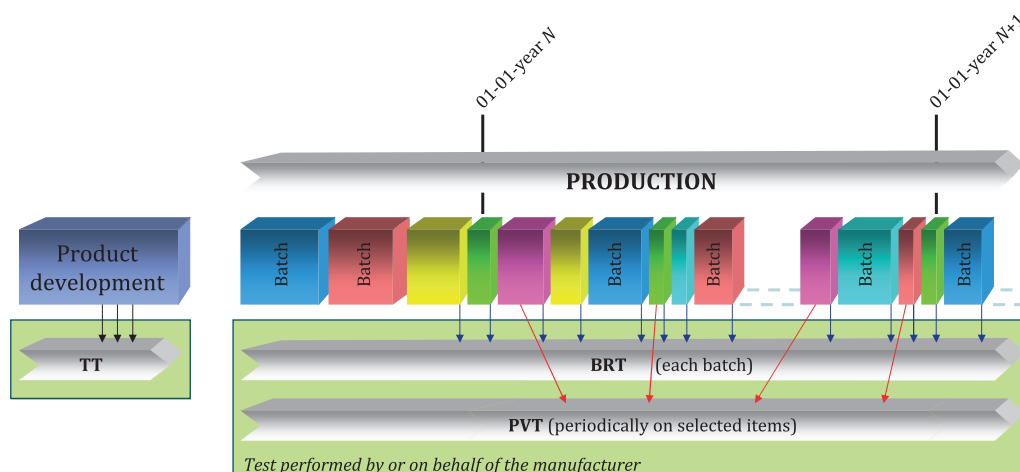
- ISO 15874, *Plastics piping systems for hot and cold water installations — Polypropylene (PP)*
- ISO 15875, *Plastics piping systems for hot and cold water installations — Cross-linked polyethylene (PE-X)*
- ISO 15877, *Plastics piping systems for hot and cold water installations — Chlorinated poly(vinyl chloride) (PVC-C)*
- ISO 21003, *Multilayer piping systems for hot and cold water installations inside buildings*
- ISO 22391, *Plastics piping systems for hot and cold water installations — Polyethylene of raised temperature resistance (PE-RT)*

They are supported by separate standards on test methods to which references are made throughout the System Standard.

The System Standards are consistent with general standards on functional requirements and on recommended practice for installation.

Figures 1 and 2 are intended to provide general information on the concept of testing and organisation of those tests used for the purpose of the assessment of conformity. For each type of test, i.e. type testing (TT), batch release test (BRT), process verification test (PVT), and audit test (AT), this document details the applicable characteristics to be assessed as well as the frequency and sampling of testing.

A typical scheme for the assessment of conformity of materials, compounds, pipes, fittings, valves, joints or assemblies by product manufacturers is given in Figure 1.



**Figure 1 — Typical scheme for the assessment of conformity by a product manufacturer**

A typical scheme for the assessment of conformity of compounds, pipes, fittings, joints or assemblies by manufacturers, including certification, is given in Figure 2.