

SLOVENSKI STANDARD SIST EN ISO 15874-3:2013

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Nadomešča:

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Cevni sistemi iz polimernih materialov za napeljave z vročo in hladno vodo - Polipropilen (PP) - 3. del: Fitingi (ISO 15874-3:2013)

Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 3: Fittings (ISO 15874-3:2013)

Kunststoff-Rohrleitungssysteme für die Warm- und Kaltwasserinstallation - Polypropylen (PP) - Teil 3: Formstücke (ISO 15874-3:2013)

Systèmes de canalisations en plastique pour les installations d'eau chaude et froide - Polypropylène (PP) Rartie 3: Raccords (ISO 15874-3:2013) 5-4b36-a7bffc7637f04988/sist-en-iso-15874-3-2013

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23.040.45 Fitingi iz polimernih Plastics fittings

materialov

91.140.60 Sistemi za oskrbo z vodo Water supply systems

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EUROPEAN STANDARD

EN ISO 15874-3

NORME EUROPÉENNE EUROPÄISCHE NORM

February 2013

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Supersedes EN ISO 15874-3:2003

English Version

Plastics piping systems for hot and cold water installations - Polypropylene (PP) - Part 3: Fittings (ISO 15874-3:2013)

Systèmes de canalisations en plastique pour les installations d'eau chaude et froide - Polypropylène (PP) - Partie 3: Raccords (ISO 15874-3:2013)

Kunststoff-Rohrleitungssysteme für die Warm- und Kaltwasserinstallation - Polypropylen (PP) - Teil 3: Formstücke (ISO 15874-3:2013)

This European Standard was approved by CEN on 5 January 2013.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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

Management Centre: Avenue Marnix 17, B-1000 Brussels

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EN ISO 15874-3:2013 (E)

Foreword

This document (EN ISO 15874-1:2013) has been prepared by Technical Committee CEN/TC 155 "Plastics piping systems and ducting systems" the secretariat of which is held by NEN, in collaboration with Technical Committee ISO/TC 138 "Plastics pipes, fittings and valves for the transport of fluids".

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2013, and conflicting national standards shall be withdrawn at the latest by August 2013.

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

This document supersedes EN ISO 15874-3:2003.

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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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INTERNATIONAL STANDARD

ISO 15874-3

Second edition 2013-02-15

Plastics piping systems for hot and cold water installations — Polypropylene (PP) —

Part 3: **Fittings**

Systèmes de canalisations en plastique pour les installations d'eau chaude et froide — Polypropylène (PP) —

chaude et froide — Polypropylène (PP)
iTeh ST Partie 3: Raccords

PREVIEW

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Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

ISO 15874-3 was prepared by Technical Committee CEN/TC 155, *Plastics piping systems and ducting systems*, in collaboration with Technical Committee ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*, and 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 15874-3:2003 and ISO 15874-3:2003/Amd 1:2007), which has been technically revised.

The following material has been revised:

- in 4.1.1, Table 1, the material PP-RCT has been included; PRRVIRW
- in 6.2.1, Figure 1 has been simplified, and in Tables 3 and 4, the socket length and socket dimensions of socket fusion fittings have been adjusted;
- in 6.2.2, Table 5, the socket dimensions for electrofusion fittings have been extended to 160 mm; and https://standards.iteh.ai/catalog/standards/sist/e7c8347b-7655-4b36-a7bf-
- in 7.4, Tables 6, 7 and 8, values have been adjusted iso-15874-3-2013

ISO 15874 consists of the following parts¹⁾ under the general title *Plastics piping systems for hot and cold water installations* — *Polypropylene (PP)*:

- Part 1: General
- Part 2: Pipes
- Part 3: Fittings
- Part 5: Fitness for purpose of the system
- Part 7: Guidance for the assessment of conformity [Technical specification]

¹⁾ For ancillary equipment separate standards can apply. Guidance on installation of plastics piping systems made from different materials intended to be used for hot and cold water installations is given by CEN/TR 12108 [1].

Introduction

This part of ISO 15874 specifies the requirements for a piping system and its components when made from polypropylene (PP). The piping system is intended to be used for hot and cold water installations.

Regarding potential undesirable effects on the quality of water intended for human consumption, caused by the product covered by ISO 15874

- no information is provided as to whether the product can be used without restriction, and
- existing national regulations concerning the use and/or the characteristics of this product remain in force.

Requirements and test methods for materials and components, other than fittings, are specified in ISO 15874-1 and ISO 15874-2. Characteristics for fitness for purpose (mainly for joints) are covered in ISO 15874-5. ISO/TS 15874-7 gives guidance for the assessment of conformity.

This part of ISO 15874 specifies the characteristics of the fittings.

At the date of publication of this part of ISO 15874, the following system International Standards for piping systems of other plastics materials used for the same application are

- ISO 15875, Plastics piping systems for hot and cold water installations Crosslinked polyethylene (PE-X)
- ISO 15876, Plastics piping systems for hot and cold water installations Polybutylene (PB)
- ISO 15877, Plastics piping systems for hot and cold water installations Chlorinated poly(vinyl chloride) (PVC-C) I en S I AND ARD PRE VIEW
- ISO 22391, Plastics piping systems for hot and cold water installations Polyethylene of raised temperature resistance (PE-RT)

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