

<b>STN</b>	<p><b>Potrubné systémy z plastov na rozvod teplej a studenej vody Polyetylén so zvýšenou tepelnou odolnosťou (PE-RT)</b> <b>Časť 5: Vhodnosť systému na daný účel (ISO 22391-5: 2009/Amd 1: 2020, opravená verzia 2021-03)</b> <b>Zmena A1</b></p>	<p><b>STN EN ISO 22391-5/A1</b></p>
		64 3050

Plastics piping systems for hot and cold water installations. Polyethylene of raised temperature resistance (PE-RT). Part 5: Fitness for purpose of the system. Amendment 1 (ISO 22391-5: 2009/Amd 1: 2020, Corrected version 2021-03)

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola označená vo Vestníku ÚNMS SR č. 04/21

Obsahuje: EN ISO 22391-5: 2009/A1: 2020, ISO 22391-5: 2009/Amd 1: 2020, Corrected version 2021-03

**132487**

**EUROPEAN STANDARD**  
**NORME EUROPÉENNE**  
**EUROPÄISCHE NORM**

**EN ISO 22391-5:2009/A1**

December 2020

ICS 93.025; 23.040.01; 91.140.60

**English Version**

**Plastics piping systems for hot and cold water installations  
 - Polyethylene of raised temperature resistance (PE-RT) -  
 Part 5: Fitness for purpose of the system - Amendment 1  
 (ISO 22391-5:2009/Amd 1:2020, Corrected version 2021-  
 03)**

Systèmes de canalisations en plastique pour les installations d'eau chaude et froide - Polyéthylène de meilleure résistance à la température (PE-RT) - Partie 5: Aptitude à l'emploi du système - Amendement 1 (ISO 22391-5:2009/Amd 1:2020, Version corrigée 2021-03)

Kunststoff-Rohrleitungssysteme für die Warm- und Kaltwasserinstallation - Polyethylen erhöhter Temperaturbeständigkeit (PE-RT) - Teil 5: Gebrauchstauglichkeit des Systems - Änderung 1 (ISO 22391-5:2009/Amd 1:2020, korrigierte Fassung 2021-03)

This amendment A1 modifies the European Standard EN ISO 22391-5:2009; it was approved by CEN on 12 October 2020.

This European Standard was corrected and reissued by the CEN-CENELEC Management Centre on 17 March 2021.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant 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 amendment 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.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, 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

<b>European foreword.....</b>	<b>3</b>
-------------------------------	----------

## **European foreword**

This document (EN ISO 22391-5:2009/A1:2020) 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.

This Amendment to the European Standard EN ISO 22391-5:2009 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2021, and conflicting national standards shall be withdrawn at the latest by June 2021.

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.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## **Endorsement notice**

The text of ISO 22391-5:2009/Amd 1:2020, Corrected version 2021-03 has been approved by CEN as EN ISO 22391-5:2009/A1:2020 without any modification.

**INTERNATIONAL  
STANDARD****ISO  
22391-5**Second edition  
2009-12-01**AMENDMENT 1**

2020-12-02

Corrected version  
2021-02

---

---

---

**Plastics piping systems for hot  
and cold water installations —  
Polyethylene of raised temperature  
resistance (PE-RT) —****Part 5:  
Fitness for purpose of the system****AMENDMENT 1**

*Systèmes de canalisations en plastique pour les installations d'eau chaude et froide — Polyéthylène de meilleure résistance à la température (PE-RT) —*

*Partie 5: Aptitude à l'emploi du système*

*AMENDEMENT 1*

Reference number  
ISO 22391-5:2009/Amd.1:2020(E)

**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2020

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  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

## 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 of 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 [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

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

A list of all parts in the ISO 22391 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).

This corrected version of ISO 22391-5:2009/AMD1:2020 incorporates the following correction:

— In Table 7, footnote a,  $150^{+1}_0$  has been changed to  $15^{+1}_0$ , twice.

**koniec náhľadu – text d'alej pokračuje v platenej verzii STN**