SLOVENSKI STANDARD
SIST EN ISO 13257:2019

01-marec-2019

Nadomešča:
SIST EN ISO 13257:2018

Plastomerni cevni sistemi, ki delujejo po težnostnem principu - Metoda za preskus odpornosti proti zvišani temperaturi (ISO 13257:2018)

Thermoplastics piping systems for non-pressure applications - Test method for resistance to elevated temperature cycling (ISO 13257:2018)

Rohrleitungssysteme aus Thermoplasten für drucklose Anwendungen - Prüfverfahren für die Temperaturbeanspruchbarkeit (ISO 13257:2018)

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Systèmes de canalisations thermoplastiques pour applications sans pression - Méthode d'essai de résistance à des cycles de température élevée (ISO 13257:2018)

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Ta slovenski standard je istoveten z: **EN ISO 13257:2018**

ICS:

23.040.20	Cevi iz polimernih materialov	Plastics pipes
91.140.80	Drenažni sistemi	Drainage systems

SIST EN ISO 13257:2019 **en**

2003-01.Slovenski inštitut za standardizacijo. Razmnoževanje celote ali delov tega standarda ni dovoljeno.

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 13257

December 2018

ICS 23.040.20; 91.140.80

Supersedes EN ISO 13257:2017

English Version

Thermoplastics piping systems for non-pressure applications - Test method for resistance to elevated temperature cycling (ISO 13257:2018)

Systèmes de canalisations thermoplastiques pour applications sans pression - Méthode d'essai de résistance à des cycles de température élevée (ISO 13257:2018)

Rohrleitungssysteme aus Thermoplasten für drucklose Anwendungen - Prüfverfahren für die Temperaturbeanspruchbarkeit (ISO 13257:2018)

This European Standard was approved by CEN on 27 October 2018.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (EN ISO 13257:2018) 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.

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of an identical text or by endorsement, at the latest by June 2019, and conflicting national standards shall be withdrawn at the latest by June 2019.

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 EN ISO 13257:2017.

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INTERNATIONAL STANDARD

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Second edition
2018-11

Thermoplastics piping systems for non-pressure applications — Test method for resistance to elevated temperature cycling

Systèmes de canalisations thermoplastiques pour applications sans pression — Méthode d'essai de résistance à des cycles de température élevée

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Foreword

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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).

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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.

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This document was prepared by Technical Committee ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*, Subcommittee SC 1, *Plastics pipes and fittings for soil, waste and drainage (including land drainage)*.

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This second edition cancels and replaces the first edition (ISO 13257:2010), which has been technically revised. The major modifications to the previous edition are:

— revision of the Scope to delete the references to application areas "B", "BD" and "UD";

— addition in the Scope of the range of nominal outside diameters of components to which this method is applicable;

— addition of a definition for “sagging”;

— complete review of Clause 6, Test assemblies, in particular distinction between test assemblies including pipes with integral sockets and fittings with socket and spigot (Figure 1) and test assemblies including pipes without integral socket and fittings with sockets (Figure 2) for components $d_n \geq 40$ mm;

— in Clause 7, addition of Figure 4 to illustrate the measuring point of the column of water.

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.

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Thermoplastics piping systems for non-pressure applications — Test method for resistance to elevated temperature cycling

1 Scope

This document specifies a test method for determining the resistance to elevated temperature cycling of thermoplastics piping systems for non-pressure applications, inside buildings or buried in the ground within the building structure.

This document is applicable to piping systems with components of nominal outside diameters up to and including 200 mm.

Although limited to nominal outside diameters up to and including 200 mm, the test results may be extrapolated to products of larger nominal outside diameters from the same range.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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ISO/TS 7024:2005, *Plastics piping systems for soil and waste discharge (low and high temperature) inside buildings — Thermoplastics — Recommended practice for installation*

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3 Terms and definitions and symbols

3.1 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— IEC Electropedia: available at http://www.electropedia.org/

— ISO Online browsing platform: available at https://www.iso.org/obp/

3.1.1
nominal outside diameter
d_n
specified diameter assigned to a nominal size (DN/OD or DN/ID)

Note 1 to entry: It is expressed in millimetres.

3.1.2
sagging
S_g
deformation of the pipe occurring from the test conditions, which is measured after the test at a defined location in vertical direction downwards

Note 1 to entry: It is expressed in millimetres.

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