

Thermoplastics piping systems for non-pressure applications - Test method for resistance to elevated temperature cycling (ISO 13257:2010)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 13257:2017 sisaldab Euroopa standardi EN ISO 13257:2017 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 13257:2017 consists of the English text of the European standard EN ISO 13257:2017.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 18.10.2017.	Date of Availability of the European standard is 18.10.2017.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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ICS 23.040.20, 91.140.80

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EUROPEAN STANDARD

EN ISO 13257

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2017

ICS 23.040.20; 91.140.80

Supersedes EN 1055:1996

English Version

Thermoplastics piping systems for non-pressure applications - Test method for resistance to elevated temperature cycling (ISO 13257:2010)

Systèmes de canalisations thermoplastiques pour applications sans pression - Méthode d'essai de résistance à des cycles de température élevée (ISO 13257:2010)

Rohrleitungssysteme aus Thermoplasten für drucklose Anwendungen - Prüfverfahren für die Temperaturbeanspruchbarkeit (ISO 13257:2010)

This European Standard was approved by CEN on 19 September 2017.

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

European Foreword

The text of ISO 13257:2010 has been prepared by Technical Committee ISO/TC 138 “Plastics pipes, fittings and valves for the transport of fluids” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 13257:2017 by 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 April 2018 and conflicting national standards shall be withdrawn at the latest by October 2020.

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 1055:1996.

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Endorsement notice

The text of ISO 13257:2010 has been approved by CEN as a EN ISO 13257:2017 without any modification.

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

1 Scope

This International Standard specifies a method for testing the resistance of thermoplastics piping systems for soil and waste discharge inside buildings, application area “B”, or buried in the ground within the building structure, application areas “BD” or “UD”, to 1 500 cycles of elevated temperature cycling.

NOTE This method assesses leaktightness and resistance to sagging.

2 Normative references

The following referenced documents are indispensable for the application 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.

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

3 Terms and definitions, and symbols

3.1 Terms and definitions

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

3.1.1

nominal outside diameter

d_n

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

NOTE It is expressed in millimetres.

3.1.2

expansion gap

E

distance between the bottom of a socket and the spigot of the inserted component allowing expansion of the system

NOTE Adapted from ISO/TS 7024:2005, definition 3.2.4.

3.1.3

free length between fixed points

L_F

maximum permitted span between support centres in an above-ground installation