

Thermoplastics piping systems for non-pressure underground drainage and sewerage - Thermoplastics fittings - Test method for impact strength (ISO 13263:2010)

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

|   |  |
|---|--|
| See Eesti standard EVS-EN ISO 13263:2017 sisaldab Euroopa standardi EN ISO 13263:2017 ingliskeelset teksti.         | This Estonian standard EVS-EN ISO 13263:2017 consists of the English text of the European standard EN ISO 13263:2017.              |
| 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, 23.040.45, 91.140.80, 93.030

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EUROPEAN STANDARD

EN ISO 13263

NORME EUROPÉENNE

EUROPÄISCHE NORM

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ICS 23.040.20; 23.040.45; 91.140.80; 93.030

Supersedes EN 12061:1999

English Version

Thermoplastics piping systems for non-pressure  
underground drainage and sewerage - Thermoplastics  
fittings - Test method for impact strength (ISO  
13263:2010)

Systèmes de canalisations thermoplastiques pour  
branchements et collecteurs d'assainissement enterrés  
sans pression - Raccords thermoplastiques - Méthode  
d'essai de résistance au choc (ISO 13263:2010)

Erdverlegte Rohrleitungssysteme aus Thermoplasten  
für drucklose erdverlegte Entwässerungs- und  
Abwasserleitungen - Formstücke aus Thermoplasten -  
Prüfverfahren der Schlagzähigkeit (ISO 13263:2010)

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

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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 13263:2010 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 13263:2017 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 12061:1999.

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### Endorsement notice

The text of ISO 13263:2010 has been approved by CEN as EN ISO 13263:2017 without any modification.

# Thermoplastics piping systems for non-pressure underground drainage and sewerage — Thermoplastics fittings — Test method for impact strength

## 1 Scope

This International Standard specifies a method for testing the impact resistance of fittings by dropping them on to a rigid surface. For a fitting with seal-retaining components, such as seal-retaining caps or rings, the method includes assessment of the watertightness of the fittings when the fixing elements show damage as a result of the test.

This International Standard is applicable to fittings made from thermoplastics materials intended to be used for buried and above-ground applications.

## 2 Principle

The impact resistance of a fitting is tested by dropping the fitting on to a rigid surface. After impact, the fitting is inspected for any cracks visible without magnification. In the case of fittings with separate fixing elements, for example for seal retention, these elements are inspected for any permanent damage that could cause loss of watertightness.

NOTE It is assumed that the following test parameters are set by the referring standard:

- a) test temperature (see Clause 3);
- b) sampling procedure and frequency (see Clause 4);
- c) conditioning time and temperature, as applicable (see Clause 5);
- d) the height from which the test piece is to be dropped (see Clause 6);
- e) the point of impact that is to hit the test base when dropped (see Clause 6);
- f) test conditions for assessment of watertightness (see Clauses 6 and 7).

## 3 Apparatus

**3.1 Refrigerator or liquid bath**, capable of maintaining the conditioning temperature within  $\pm 2$  °C.

**3.2 Temperature-controlled environment**, capable of maintaining the test temperature within  $\pm 2$  °C.

**3.3 Test base**, comprising a solid floor made of concrete or stone at least 100 mm thick or, alternatively, a slab of concrete with a minimum thickness of 100 mm and a mass at least 20 times that of the test piece. The surface shall be rigid, flat, smooth and horizontal.