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Irish Standard
I.S. EN ISO 13263:2017&LC:2018

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

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National Foreword

I.S. EN ISO 13263:2017&LC:2018 is the adopted Irish version of the European Document EN ISO 13263:2017, Thermoplastics piping systems for non-pressure underground drainage and sewerage - Thermoplastics fittings - Test method for impact strength (ISO 13263:2010)

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Correction Notice

Reference: EN ISO 13263:2017

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

Work Item: 00155890

Brussels, 2018-01-31

please include the following minor editorial correction(s) in the document related to:

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- ☒ English
- ☒ French
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- ☐ PQ/UQ
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- ☐ UAP
- ☐ TC Approval
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- ☒ Publication
- ☐ Parallel Publication

It has been brought to our attention that this document, issued on 2017-10-18, requires modification.

DOW "2020-10-31" has been corrected in the forewords of English and French versions.

Please find enclosed the updated English and French versions.

We apologise for any inconvenience this may cause.

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 13263

October 2017

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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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.

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Endorsement notice

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INTERNATIONAL STANDARD

ISO 13263

First edition
2010-05-01

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

Systèmes de canalisations thermoplastiques pour branchements et collecteurs d'assainissement enterrés sans pression — Raccords thermoplastiques — Méthode d'essai de résistance au choc

Reference number
ISO 13263:2010(E)

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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.

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ISO 13263 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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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 ±2 °C.

3.2 Temperature-controlled environment, capable of maintaining the test temperature within ±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.

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