



**NSAI**  
Standards

Irish Standard  
I.S. EN ISO 13262:2017

Thermoplastics piping systems for non-pressure underground drainage and sewerage - Thermoplastics spirally-formed structured-wall pipes - Determination of the tensile strength of a seam (ISO 13262:2010)

## I.S. EN ISO 13262:2017

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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## National Foreword

I.S. EN ISO 13262:2017 is the adopted Irish version of the European Document EN ISO 13262:2017, Thermoplastics piping systems for non-pressure underground drainage and sewerage - Thermoplastics spirally-formed structured-wall pipes - Determination of the tensile strength of a seam (ISO 13262:2010)

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EUROPEAN STANDARD

**EN ISO 13262**

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2017

ICS 23.040.20; 23.040.45; 91.140.80; 93.030

Supersedes EN 1979:1999

English Version

**Thermoplastics piping systems for non-pressure  
underground drainage and sewerage - Thermoplastics  
spirally-formed structured-wall pipes - Determination of  
the tensile strength of a seam (ISO 13262:2010)**

Systèmes de canalisations thermoplastiques pour  
branchements et collecteurs d'assainissement enterrés  
sans pression - Tubes thermoplastiques à paroi  
structurée enroulés en hélice - Détermination de la  
résistance en traction de la ligne de soudure (ISO  
13262:2010)

Erdverlegte Rohrleitungssysteme aus Thermoplasten  
für Abwasserkanäle und -leitungen - Thermoplastische  
Spiralrohre mit profilierter Wandung - Bestimmung  
der Zugfestigkeit einer Verbindungsnaht (ISO  
13262:2010)

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

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

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## European Foreword

The text of ISO 13262:2010 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 13262:2017 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 1979:1999.

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### Endorsement notice

The text of ISO 13262:2010 has been approved by CEN as a EN ISO 13262:2017 without any modification.

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# INTERNATIONAL STANDARD

**ISO**  
**13262**

First edition  
2010-05-15

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## **Thermoplastics piping systems for non- pressure underground drainage and sewerage — Thermoplastics spirally- formed structured-wall pipes — Determination of the tensile strength of a seam**

*Systèmes de canalisations thermoplastiques pour branchements et  
collecteurs d'assainissement enterrés sans pression — Tubes  
thermoplastiques à paroi structurée enroulés en hélice — Détermination  
de la résistance en traction de la ligne de soudure*



Reference number  
ISO 13262:2010(E)

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**ISO 13262:2010(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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 13262 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)*.



# Thermoplastics piping systems for non-pressure underground drainage and sewerage — Thermoplastics spirally-formed structured-wall pipes — Determination of the tensile strength of a seam

## 1 Scope

This International Standard specifies a method for determining the tensile strength of a seam in a spirally-formed thermoplastics pipe. It is applicable to all such thermoplastics pipes, regardless of their intended use.

## 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 5893, *Rubber and plastics test equipment — Tensile, flexural and compression types (constant rate of traverse) — Specification*

## 3 Principle

Test pieces of specified shape and dimensions are taken from a thermoplastics pipe with a spirally-formed seam in the direction perpendicular to the seam, by cutting or machining.

The tensile forces necessary to rupture test pieces, including the seam, are determined using a tensile testing machine under specified conditions.

It is assumed that the following test parameter is set by the referring standard: rate of movement of the driven grip (see 4.1 and 8.2).

## 4 Apparatus

**4.1 Tensile testing machine**, conforming to ISO 5893 for the specified rate of movement of the driven grip. It shall be capable of applying the necessary force and travel (see 4.3 and 8.3).

**4.2 Grips**, for holding the test piece, conforming to ISO 5893, which shall be fixed to the machine in such a way that they move freely into alignment as soon as any force is applied, such that the longitudinal axis of the test piece coincides with the direction of the force along the centreline of the grip assembly.

**4.3 Force indicator**, capable of showing or recording, with an accuracy conforming to grade A of ISO 5893, the total tensile force to which the test piece held in the grips is subjected when tested at the speed specified.

**4.4 Micrometer or equivalent**, capable of determining the width of the test piece with an accuracy of 0,05 mm or smaller.

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