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

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 13262

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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COMITÉ EUROPÉEN DE NORMALISATION
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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of an identical text or by endorsement, at the latest by April 2018 and conflicting national standards shall be withdrawn at the latest by October 2020.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.

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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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I.S. EN ISO 13262:2017

INTERNATIONAL STANDARD

ISO 13262

First edition
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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

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Foreword

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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.