



SLOVENSKI STANDARD SIST EN ISO 9311-3:2005

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**Lepila za plastomerne cevne sisteme - 3. del: Preskusna metoda za ugotavljanje
odpornosti proti notranjemu tlaku (ISO 9311-3:2005)**

Adhesives for thermoplastic piping systems - Part 3: Test method for the determination of
resistance to internal pressure (ISO 9311-3:2005)

Klebstoffe für thermoplastische Rohrleitungssysteme - Teil 3: Prüfverfahren zur
Bestimmung der Innendruckfestigkeit (ISO 9311-3:2005)

Adhésifs pour systèmes de canalisations en thermoplastiques - Partie 3: Méthode
d'essai de détermination de la résistance à la pression interne (ISO 9311-3:2005)

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Ta slovenski standard je istoveten z: EN ISO 9311-3:2005

ICS:

23.040.20	Cevi iz polimernih materialov	Plastics pipes
83.180	Lepila	Adhesives

SIST EN ISO 9311-3:2005

en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 9311-3

March 2005

ICS 83.180; 23.040.01

English version

**Adhesives for thermoplastic piping systems - Part 3: Test
method for the determination of resistance to internal pressure
(ISO 9311-3:2005)**

Adhésifs pour systèmes de canalisations en
thermoplastiques - Partie 3: Méthode d'essai de
détermination de la résistance à la pression interne (ISO
9311-3:2005)

Klebstoffe für thermoplastische Rohrleitungssysteme - Teil
3: Prüfverfahren zur Bestimmung der Innendruckfestigkeit
(ISO 9311-3:2005)

This European Standard was approved by CEN on 3 February 2005.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN ISO 9311-3:2005 (E)

Foreword

This document (EN ISO 9311-3:2005) has been prepared by Technical Committee CEN/TC 193 "Adhesives", the secretariat of which is held by AENOR, in collaboration with Technical Committee ISO/TC 138 "Plastics pipes, fittings and valves for the transport of fluids".

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 September 2005, and conflicting national standards shall be withdrawn at the latest by September 2005.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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INTERNATIONAL
STANDARD

ISO
9311-3

First edition
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**Adhesives for thermoplastic piping
systems —**

**Part 3:
Test method for the determination
of resistance to internal pressure**

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Adhésifs pour systèmes de canalisations en thermoplastiques —

*Partie 3. Méthode d'essai de détermination de la résistance à la
pression interne*

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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 9311-3 was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 193, *Adhesives*, in collaboration with Technical Committee ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*, Subcommittee SC 5, *General properties of pipes, fittings and valves of plastic materials and their accessories — Test methods and basic specifications*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

ISO 9311 consists of the following parts, under the general title *Adhesives for thermoplastic piping systems*:

- *Part 1: Determination of film properties*
<https://standards.iteh.ai/catalog/standards/sist/01499787-4e55-44a2-8140-6b3fbbd217a1/sist-en-iso-9311-3-2005>
- *Part 2: Determination of shear strength*
- *Part 3: Test method for the determination of resistance to internal pressure*

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Adhesives for thermoplastic piping systems —

Part 3: Test method for the determination of resistance to internal pressure

1 Scope

This part of ISO 9311 specifies a method for the assessment of the internal pressure resistance of assemblies made with adhesives for thermoplastic piping systems.

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 1167:1996, *Thermoplastics pipes for the conveyance of fluids — Resistance to internal pressure — Test method*

[SIST EN ISO 9311-3:2005](https://standards.iteh.ai/catalog/standards/sist/01499787-4e55-44a2-8140-089100217a1/sist-en-iso-9311-3-2005)

EN 923, *Adhesives — Terms and definitions*

EN 1066, *Adhesives — Sampling*

EN 1067, *Adhesives — Examination and preparation of samples for testing*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 923 and the following apply.

3.1

setting time

time between applying the adhesive and the beginning of the test

3.2

diametrical clearance

difference in diameter between mean outside diameter of the pipe and mean inside diameter of the socket

4 Principle

Test pieces of given dimensions are obtained by cutting lengths of pipe and fitting, for adhesive type testing to product bonded assemblies. After conditioning, these test assemblies are subjected to a specified constant internal hydrostatic pressure for a specified period of time or until the test piece(s) fail(s).