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 systemes de canalisations en thermoplastiques - Partie 3: Méthode d'essai de détermination de la résistance a la pression interne (ISO 9311-3:2005)

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ICS:

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83.180	Lepila	Adhesives

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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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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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of an identical text or by endorsement, at the latest by September 2005, and conflicting national standards shall be withdrawn at the latest by September 2005.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.

INTERNATIONAL STANDARD

ISO 9311-3

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Adhesives for thermoplastic piping systems —

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

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

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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*

— *Part 2: Determination of shear strength*

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

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*

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).