

# SLOVENSKI STANDARD

## SIST EN ISO 2507-3:2018

01-januar-2018

Nadomešča:  
SIST EN 727:1997

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**Plastomerne cevi in fittingi - Temperatura zmečičišča po Vicatu - 3. del: Preskusni pogoji za cevi in fittinge iz akrilonitril/butadien/stirena (ABS) in akrilonitril/stiren/akril estra (ASA) (ISO 2507-3:1995)**

Thermoplastics pipes and fittings - Vicat softening temperature - Part 3: Test conditions for acrylonitrile/butadiene/styrene (ABS) and acrylonitrile/styrene/acrylic ester (ASA) pipes and fittings (ISO 2507-3:1995)

Rohre und Formstücke aus Thermoplasten - Vicat-Erweichungstemperatur - Teil 3: Prüfbedingungen für Rohre und Formstücke aus Acrylnitril-Butadien-Styrol (ABS) und Acrylnitril-Styrol-Acrylester (ASA) (ISO 2507-3:1995)

Tubes et raccords en matières thermoplastiques - Température de ramollissement Vicat - Partie 3: Conditions particulières d'essai pour tubes et raccords en acrylonitrile/butadiène/styrène (ABS) et en acrylonitrile/styrène/ester acrylique (ASA) (ISO 2507-3:1995)

**Ta slovenski standard je istoveten z: EN ISO 2507-3:2017**

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**ICS:**

23.040.20	Cevi iz polimernih materialov	Plastics pipes
23.040.45	Fittingi iz polimernih materialov	Plastics fittings

**SIST EN ISO 2507-3:2018** en

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EUROPEAN STANDARD

EN ISO 2507-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2017

ICS 23.040.20; 23.040.45

Supersedes EN 727:1994

English Version

Thermoplastics pipes and fittings - Vicat softening  
temperature - Part 3: Test conditions for  
acrylonitrile/butadiene/styrene (ABS) and  
acrylonitrile/styrene/acrylic ester (ASA) pipes and fittings  
(ISO 2507-3:1995)

Tubes et raccords en matières thermoplastiques -  
Température de ramollissement Vicat - Partie 3:  
Conditions particulières d'essai pour tubes et raccords  
en acrylonitrile/butadiène/styrène (ABS) et en  
acrylonitrile/styrène/ester acrylique (ASA) (ISO 2507-  
3:1995)

Rohre und Formstücke aus Thermoplasten - Vicat-  
Erweichungstemperatur - Teil 3: Prüfbedingungen für  
Rohre und Formstücke aus Acrylnitril-Butadien-Styrol  
(ABS) und Acrylnitril-Styrol-Acrylester (ASA) (ISO  
2507-3:1995)

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

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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 CEN-CENELEC Management Centre has the same status as the official versions.

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

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

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## European foreword

The text of ISO 2507-3:1995 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 2507-3:2017 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 April 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 727:1994.

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

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Endorsement notice

The text of ISO 2507-3:1995 has been approved by CEN as EN ISO 2507-3:2017 without any modification.

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INTERNATIONAL  
STANDARD**ISO**  
**2507-3**First edition  
1995-02-15

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**Thermoplastics pipes and fittings —  
Vicat softening temperature —****Part 3:**

iTeH STANDARD PREVIEW

Test conditions for  
(acrylonitrile/butadiene)  
acrylonitrile/butadiene/styrene (ABS) and  
acrylonitrile/styrene/acrylic ester (ASA) pipes  
and fittings

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*Tubes et raccords en matières thermoplastiques — Température de ramollissement Vicat —**Partie 3: Conditions particulières d'essai pour tubes et raccords en acrylonitrile/butadiène/styrène (ABS) et en acrylonitrile/styrène/ester acrylique (ASA)*Reference number  
ISO 2507-3:1995(E)

## 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.

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.

International Standard ISO 2507-3 was prepared by 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*.

ISO 2507 consists of the following parts, under the general title *Thermoplastics pipes and fittings — Vicat softening temperature*:

- Part 1: *General test method*
- Part 2: *Test conditions for unplasticized poly(vinyl chloride) (PVC-U) or chlorinated poly(vinyl chloride) (PVC-C) pipes and fittings and for high impact resistance poly(vinyl chloride) (PVC-HI) pipes*
- Part 3: *Test conditions for acrylonitrile/butadiene/styrene (ABS) and acrylonitrile/styrene/acrylic ester (ASA) pipes and fittings*

Annexes A and B of this part of ISO 2507 are for information only.

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# Thermoplastics pipes and fittings — Vicat softening temperature —

## Part 3:

Test conditions for acrylonitrile/butadiene/styrene (ABS) and acrylonitrile/styrene/acrylic ester (ASA) pipes and fittings

### 1 Scope

This part of ISO 2507 specifies the particular test conditions for determining the Vicat softening temperature of acrylonitrile/butadiene/styrene (ABS) and acrylonitrile/styrene/acrylic ester (ASA) pipes and fittings.

It also gives, for information, the corresponding basic specifications.

NOTE 1 The general test method for determining the Vicat softening temperature of thermoplastics pipes and fittings is given in ISO 2507-1.

### 2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this part of ISO 2507. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this part of ISO 2507 are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 2507-1:1995, *Thermoplastics pipes and fittings — Vicat softening temperature — Part 1: General test method*.

### 3 Principle

See clause 3 in ISO 2507-1:1995, applicable to the thermoplastics materials covered by this part of ISO 2507.

### 4 Apparatus

See clause 4 in ISO 2507-1:1995: use the oven (4.7) instead of the heating bath (4.5).

### 5 Test pieces

See clause 5 in ISO 2507-1:1995.

### 6 Conditioning

#### 6.1 Preliminary drying of test pieces

Immediately before conditioning in accordance with 6.2, predry the test pieces as follows:

- place the test pieces for 2 h in the oven (see ISO 2507-1:1995) controlled at  $90\text{ °C} \pm 2\text{ °C}$ ;
- then let them cool in air at  $23\text{ °C} \pm 2\text{ °C}$  and  $(50 \pm 5)\%$  relative humidity, for  $15\text{ min} \pm 1\text{ min}$ .

#### 6.2 Conditioning of dried test pieces

Condition the dried test pieces (see 6.1) in accordance with clause 6 of ISO 2507-1:1995.