

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)

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 2507-3:2017 sisaldab Euroopa standardi EN ISO 2507-3:2017 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 2507-3:2017 consists of the English text of the European standard EN ISO 2507-3:2017.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 18.10.2017.	Date of Availability of the European standard is 18.10.2017.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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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)

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

# 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.