

**Plastid. Tõmbeomaduste määramine. Osa 3:
Kilede ja lehtmaterjali katsetingimused**

Plastics - Determination of tensile properties - Part 3:
Test conditions for films and sheets

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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| <p>Käesolev Eesti standard EVS-EN ISO 527-3:2000 sisaldab Euroopa standardi EN ISO 527-3:1995 + AC:2002 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 11.01.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p> | <p>This Estonian standard EVS-EN ISO 527-3:2000 consists of the English text of the European standard EN ISO 527-3:1995 + AC:2002.</p> <p>This document is endorsed on 11.01.2000 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p> |
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| <p>Käsitlusala: Standardi käesolev osa määrab kindlaks tingimused tõmbeomaduste määramiseks plastist kiledel või lehtedel, mille paksus on alla 1mm. Testimistingimuste aluseks on 1. osas esitatud põhimõtted.</p> | <p>Scope:</p> |
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ICS 83.140.10

Võtmesõnad: kiled, plastid, plastlehtmaterjal, plasttahvlid, test

ICS 83.140

English version

Plastics – Determination of tensile properties

Part 3: Test conditions for films and sheets

(ISO 527-3 : 1995 + Corr 1 : 1998 + Corr 2 : 2001)

(includes Corrigendum AC : 1998 + AC : 2002)

Plastiques – Détermination des propriétés en traction – Partie 3: Conditions d'essai pour films et feuilles
(ISO 527-3 : 1995 + Corr 1 : 1998 + Corr 2 : 2001) (corrigendum AC : 1998 + AC : 2002 inclut)

Kunststoffe – Bestimmung der Zugeigenschaften – Teil 3: Prüfbedingungen für Folien und Tafeln
(ISO 527-3 : 1995 + Corr 1 : 1998 + Corr 2 : 2001) (enthält Berichtigung AC : 1998 + AC : 2002)

This European Standard was approved by CEN on 1995-07-29, corrigendum AC : 1998 on 1998-06-18 and corrigendum AC : 2002 on 2002-07-24.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Management Centre: rue de Stassart 36, B-1050 Brussels

Foreword

International Standard

ISO 527-3 : 1995 Plastics – Determination of tensile properties – Part 3: Test conditions for films and sheets, which was prepared by ISO/TC 61 ‘Plastics’ of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 249 ‘Plastics’ as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by February 1996 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 527-3 : 1995 was approved by CEN as a European Standard without any modification.

1 Scope

1.1 This part of ISO 527 specifies the conditions for determining the tensile properties of plastic films or sheets less than 1 mm thick, based upon the general principles given in part 1.

NOTE 1 For sheets greater than 1 mm thick, the user is referred to part 2 of this International Standard.

1.2 See ISO 527-1, subclause 1.2.

1.3 This part of ISO 527 is not normally suitable for determining the tensile properties of:

- a) cellular materials;
- b) plastics reinforced by textile fibres.

1.4 See ISO 527-1, subclause 1.5.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 527. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 527 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO

maintain registers of currently valid International Standards.

ISO 527-1:1993, *Plastics — Determination of tensile properties — Part 1: General principles*.

ISO 4591:1992, *Plastics — Film and sheeting — Determination of average thickness of a sample, and average thickness and yield of a roll, by gravimetric techniques (gravimetric thickness)*.

ISO 4593:1993, *Plastics — Film and sheeting — Determination of thickness by mechanical scanning*.

3 Principle

See ISO 527-1, clause 3.

4 Definitions

See ISO 527-1, clause 4.

5 Apparatus

See ISO 527-1, clause 5, subject to the following additional requirements:

In 5.1.2, the tensile-testing machine shall be capable of maintaining the speeds of testing as specified in table 1 of ISO 527-1. It is normal for films and sheets to be tested at a speed of 5 mm/min, 50 mm/min, 100 mm/min, 200 mm/min, 300 mm/min or 500 mm/min. The information contained in ISO 527-1, subclause 9.6, also applies.