

STN	Plasty Stanovenie ťahových vlastností Časť 3: Skúšobné podmienky pre fólie a dosky (ISO 527-3: 2018)	STN EN ISO 527-3 64 0605
------------	---	--

Plastics - Determination of tensile properties - Part 3: Test conditions for films and sheets (ISO 527-3:2018)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 05/19

Obsahuje: EN ISO 527-3:2018, ISO 527-3:2018

Oznámením tejto normy sa ruší
STN EN ISO 527-3 (64 0605) z novembra 1997

128694

EUROPEAN STANDARD

EN ISO 527-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2018

ICS 83.140.10

Supersedes EN ISO 527-3:1995

English Version

Plastics - Determination of tensile properties - Part 3: Test conditions for films and sheets (ISO 527-3:2018)

Plastiques - Détermination des propriétés en traction -
Partie 3: Conditions d'essai pour films et feuilles (ISO
527-3:2018)

Kunststoffe - Bestimmung der Zugeigenschaften - Teil
3: Prüfbedingungen für Folien und Tafeln (ISO 527-
3:2018)

This European Standard was approved by CEN on 12 November 2018.

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

CEN members are the national standards bodies of 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 United Kingdom.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN ISO 527-3:2018 (E)

Contents	Page
European foreword.....	3

European foreword

This document (EN ISO 527-3:2018) has been prepared by Technical Committee ISO/TC 61 "Plastics" in collaboration with Technical Committee CEN/TC 249 "Plastics" the secretariat of which is held by NBN.

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 June 2019, and conflicting national standards shall be withdrawn at the latest by June 2019.

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 ISO 527-3:1995.

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.

Endorsement notice

The text of ISO 527-3:2018 has been approved by CEN as EN ISO 527-3:2018 without any modification.

INTERNATIONAL STANDARD

ISO
527-3

Second edition
2018-11

Plastics — Determination of tensile properties —

Part 3: Test conditions for films and sheets

*Plastiques — Détermination des propriétés en traction —
Partie 3: Conditions d'essai pour films et feuilles*



Reference number
ISO 527-3:2018(E)

© ISO 2018

ISO 527-3:2018(E)**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2018

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	1
5 Apparatus	2
6 Test specimens	2
6.1 Shape and dimensions.....	2
6.2 Preparation of specimens.....	5
6.3 Gauge marks.....	5
6.4 Checking the specimens.....	5
6.5 Anisotropy.....	5
7 Number of specimens	5
8 Conditioning	5
9 Procedure	5
10 Calculation and expression of results	5
11 Precision	5
12 Test report	6
Bibliography	7

ISO 527-3:2018(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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 11, *Products*.

This second edition cancels and replaces the first edition (ISO 527-3:1995), of which it constitutes a minor revision. It also incorporates the Technical Corrigenda ISO 527-3:1995/Cor.1:1998 and ISO 527-3:1995/Cor.2:2001. The changes compared to the previous edition are as follows:

- references to ISO 527-1 have been updated to the latest edition;
- [Clauses 3](#) and [4](#) have been interchanged;
- the document has been editorially revised.

A list of all parts in the ISO 527 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Plastics — Determination of tensile properties —

Part 3: Test conditions for films and sheets

1 Scope

1.1 This document 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 ISO 527-1.

NOTE For sheets greater than 1 mm thick, the user is referred to ISO 527-2.

1.2 See ISO 527-1:2012, 1.2.

1.3 This document is not normally suitable for determining the tensile properties of

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

1.4 See ISO 527-1:2012, 1.3.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 527-1:2012, *Plastics — Determination of tensile properties — Part 1: General principles*

ISO 4591, *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, *Plastics — Film and sheeting — Determination of thickness by mechanical scanning*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN