



NSAI
Standards

Irish Standard
I.S. EN ISO 527-3:1996

Plastics - Determination of tensile properties - Part 3 : Test conditions for films and sheets (ISO 527-3 : 1995)

I.S. EN ISO 527-3:1996

Incorporating amendments/corrigenda issued since publication:

EN ISO 527-3:1995/AC:2002

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation - recommendation based on the consensus of an expert panel and subject to public consultation.

SWIFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

<i>This document replaces:</i>	<i>This document is based on:</i> EN ISO 527-3:1995	<i>Published:</i> 14 June, 1996
This document was published under the authority of the NSAI and comes into effect on: 14 June, 1996		ICS number: 83.140.10 83.140.01
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English version
Version Française
Deutsche Fassung

Office furniture - Work tables and desks - Part 3: Methods of test for the determination of the stability and the mechanical strength of the structure (ISO 527-3:1995/Cor.1:2001)

Mobilier de bureau - Tables de travail de bureau - Partie 3: Méthodes d'essai pour la détermination de la stabilité et de la résistance mécanique de la structure (ISO 527-3:1995/Cor.1:2001)

Büromöbel - Büro-Arbeitstische - Teil 3: Prüfverfahren für die Bestimmung der Standsicherheit und der mechanischen Festigkeit der Konstruktion (ISO 527-3:1995/Cor.1:2001)

This corrigendum becomes effective on 24 July 2002 for incorporation in the three official language versions of the EN.

Ce corrigendum prendra effet le 24 juillet 2002 pour incorporation dans les trois versions linguistiques officielles de l'EN.

Die Berichtigung tritt am 24.Juli 2002 zur Einarbeitung in die drei offiziellen Sprachfassungen der EN in Kraft.



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

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

I.S. EN ISO 527-3:1996
EN ISO 527-3:1995/AC:2002 (E/F/D)

English version

Endorsement notice

The text of ISO 527-3:1995/Cor.1:2001 has been approved by CEN as a European Corrigendum without any modifications.

Version française

Notice d'entérinement

Le texte de l'ISO 527-3:1995/Cor.1:2001 a été approuvé par le CEN comme Corrigendum européen sans aucune modification.

Deutsche Fassung

Anerkennungsnotiz

Der Text von ISO 527-3:1995/Cor.1:2001 wurde vom CEN als Europäisches Corrigendum ohne irgendeine Abänderung genehmigt.

Der text des ersten Corrigendums ist der folgende:

Technisches Corrigendum 1 zur Internationalen Norm ISO 527-3:1995

Bild 4

Der Wert L (Anfangs-Klemmen-Abstand) ist von 73,4 mm auf 98 mm zu verbessern.



I.S. EN ISO 527-3:1996
INTERNATIONAL STANDARD ISO 527-3:1995
TECHNICAL CORRIGENDUM 2

Published 2001-04-15

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Plastics — Determination of tensile properties —

Part 3: Test conditions for films and sheets

TECHNICAL CORRIGENDUM 2

Plastiques — Détermination des propriétés en traction —

Partie 3: Conditions d'essai pour films et feuilles

RECTIFICATIF TECHNIQUE 2

Technical Corrigendum 2 to International Standard ISO 527-3:1995 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 11, *Products*.

Page 3

Figure 3 (last line of key)

After “*r* Radius: ≥ 60 mm”, add “(recommended radius: 60,0 mm \pm 0,5 mm)”.

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I.S. EN ISO 527-3:1996

DECLARATION

OF

SPECIFICATION

ENTITLED

PLASTICS - DETERMINATION OF TENSILE PROPERTIES -

PART 3 : TEST CONDITIONS FOR FILMS AND SHEETS (ISO 527-3 : 1995)

AS

THE IRISH STANDARD SPECIFICATION FOR

PLASTICS - DETERMINATION OF TENSILE PROPERTIES -

PART 3 : TEST CONDITIONS FOR FILMS AND SHEETS (ISO 527-3 : 1995)

Forfás in exercise of the power conferred by section 20 (3) of the Industrial Research and Standards Act, 1961 (No. 20 of 1961) and the Industrial Development Act, 1993 (No. 19 of 1993), and with the consent of the Minister for Enterprise and Employment, hereby declares as follows:

1. This instrument may be cited as the Standard Specification (Plastics - Determination of tensile properties - Part 3 : Test conditions for films and sheets (ISO 527-3 : 1995)) Declaration, 1996.
2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Plastics - Determination of tensile properties - Part 3 : Test conditions for films and sheets (ISO 527-3 : 1995). The Schedule comprises the text of EN ISO 527-3 : 1995.

(2) The said standard specification may be cited as Irish Standard/EN ISO 527-3:1996 or as I.S./EN ISO 527-3:1996.

ICS 83.140.00

Descriptors: plastics, films, plastic sheets, tests, determination, tensile properties, testing conditions, test specimens

English version

**Plastics - Determination of tensile properties - Part
3: Test conditions for films and sheets
(ISO 527-3:1995)**

Plastiques - Détermination des propriétés en
traction - Partie 3: Conditions d'essai pour
films et feuilles (ISO 527-3:1995)

Kunststoffe - Bestimmung der Zugeigenschaften
- Teil 3: Prüfbedingungen für Folien und Tafeln
(ISO 527-3:1995)

This European Standard was approved by CEN on 1995-07-29. 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 Central Secretariat or to any CEN member.

The European Standards exist 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Foreword

The text of the International Standard ISO 527-3:1995 has been prepared by Technical Committee ISO/TC 61 "Plastics" in collaboration with CEN/TC 249 "Plastics".

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 February 1996, and conflicting national standards shall be withdrawn at the latest by February 1996.

According to CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

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

I.S. EN ISO 527-3:1996

INTERNATIONAL STANDARD

ISO 527-3

First edition
1995-08-01

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 527-3:1995(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 527-3 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 11, *Products*.

Together with the other parts of ISO 527, it cancels and replaces ISO Recommendation R/527:1966, as well as ISO 1184:1983, of which it constitutes a technical revision.

ISO 527 consists of the following parts, under the general title *Plastics — Determination of tensile properties*:

- *Part 1: General principles*
- *Part 2: Test conditions for moulding and extrusion plastics*
- *Part 3: Test conditions for films and sheets*
- *Part 4: Test conditions for isotropic and orthotropic fibre-reinforced plastic composites*
- *Part 5: Test conditions for unidirectional fibre-reinforced plastic composites*

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Case Postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

Plastics — Determination of tensile properties —

Part 3:

Test conditions for films and sheets

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.

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