



SLOVENSKI STANDARD

SIST EN ISO 12625-4:2005

01-julij-2005

BUXca Yý U
SIST EN 12625-4:2000

Tissue papir in proizvodi iz tissue papirja - 4. del: Ugotavljanje natezne trdnosti in absorpcijske natezne energije (ISO 12625-4:2005)

Tissue paper and tissue products - Part 4: Determination of tensile strength, stretch at break and tensile energy absorption (ISO 12625-4:2005)

Tissue-Papier und Tissue-Produkte - Teil 4: Bestimmung der breitenbezogenen Bruchkraft, der Bruchdehnung und des Arbeitsaufnahmevermögens (ISO 12625-4:2005)
[SIST EN ISO 12625-4:2005](https://standards.iteh.ai/catalog/standards/sist/921de5cf-3acb-42be-a1c2-us662c7124-stc-tissue-paper-2005)

Papier tissu et produits en tissu - Partie 4: Détermination de la résistance a la rupture par traction, de l'allongement a la rupture par traction et de l'absorption d'énergie a la rupture par traction (ISO 12625-4:2005)

Ta slovenski standard je istoveten z: EN ISO 12625-4:2005

ICS:

85.080.20	Tissue papir	Tissue paper
-----------	--------------	--------------

SIST EN ISO 12625-4:2005	en
---------------------------------	-----------

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 12625-4:2005

<https://standards.iteh.ai/catalog/standards/sist/921de5cf-3acb-42be-a1c2-3560620abd72/sist-en-iso-12625-4-2005>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 12625-4

April 2005

ICS 85.060

Supersedes EN 12625-4:1999

English version

**Tissue paper and tissue products - Part 4: Determination of
tensile strength, stretch at break and tensile energy absorption
(ISO 12625-4:2005)**

Papier tissu et produits en tissu - Partie 4: Détermination
de la résistance à la rupture par traction, de l'allongement à
la rupture par traction et de l'absorption d'énergie à la
rupture par traction (ISO 12625-4:2005)

Tissue-Papier und Tissue-Produkte - Teil 4: Bestimmung
der breitenbezogenen Bruchkraft, der Bruchdehnung und
des Arbeitsaufnahmevermögens (ISO 12625-4:2005)

This European Standard was approved by CEN on 15 March 2005.

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.

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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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

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

EN ISO 12625-4:2005 (E)**Foreword**

This document (EN ISO 12625-4:2005) has been prepared by Technical Committee CEN/TC 172 "Pulp, paper and board", the secretariat of which is held by DIN, in collaboration with Technical Committee ISO/TC 6 "Paper, board and pulps".

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 October 2005, and conflicting national standards shall be withdrawn at the latest by October 2005.

This document supersedes EN 12625-4:1999.

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

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 12625-4:2005](https://standards.iteh.ai/catalog/standards/sist/921de5cf-3acb-42be-a1c2-3560620abd72/sist-en-iso-12625-4-2005)

<https://standards.iteh.ai/catalog/standards/sist/921de5cf-3acb-42be-a1c2-3560620abd72/sist-en-iso-12625-4-2005>

INTERNATIONAL STANDARD

ISO
12625-4

First edition
2005-04-15

Tissue paper and tissue products —

Part 4:

Determination of tensile strength, stretch at break and tensile energy absorption

Papier tissu et produits en tissu —

*Partie 4: Détermination de la résistance à la rupture par traction, de
l'allongement à la rupture par traction et de l'absorption d'énergie à la
rupture par traction*

SIST EN ISO 12625-4:2005

<https://standards.iteh.ai/catalog/standards/sist/921de5cf-3acb-42be-a1c2-3560620abd72/sist-en-iso-12625-4-2005>



Reference number
ISO 12625-4:2005(E)

© ISO 2005

ISO 12625-4:2005(E)

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 12625-4:2005](https://standards.iteh.ai/catalog/standards/sist/921de5cf-3acb-42be-a1c2-3560620abd72/sist-en-iso-12625-4-2005)

<https://standards.iteh.ai/catalog/standards/sist/921de5cf-3acb-42be-a1c2-3560620abd72/sist-en-iso-12625-4-2005>

© ISO 2005

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Principle	2
5 Apparatus	2
6 Conditioning	3
7 Preparation of test pieces	3
8 Procedure	4
9 Calculation	4
10 Test report	6
11 Precision	7
Bibliography	9

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 12625-4:2005
<https://standards.iteh.ai/catalog/standards/sist/921de5cf-3acb-42be-a1c2-3560620abd72/sist-en-iso-12625-4-2005>

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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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.

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.

ISO 12625-4 was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 172, *Pulp, paper and board*, in collaboration with Technical Committee ISO/TC 6, *Paper, board and pulps*, Subcommittee SC 2, *Test methods and quality specifications for paper and board*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This first edition cancels and replaces EN 12625-4:1999, which has been technically revised.

With regard to EN 12625-4:1999, the following changes have been made:

- a) a more precise definition of the measurement was added;
- b) “preparation of test pieces” was explained more exactly;
- c) editorial updating.

ISO 12625 consists of the following parts, under the general title *Tissue paper and tissue products*:

- *Part 1: General guidance on terms*
- *Part 3: Determination of thickness, bulking thickness and apparent bulk density*
- *Part 4: Determination of tensile strength, stretch at break and tensile energy absorption*
- *Part 5: Determination of wet tensile strength*
- *Part 6: Determination of grammage*
- *Part 7: Determination of optical properties*
- *Part 8: Water absorption time and water absorption capacity, basket immersion test method*
- *Part 9: Determination of ball burst strength*

Tissue paper and tissue products —

Part 4:

Determination of tensile strength, stretch at break and tensile energy absorption

1 Scope

This part of ISO 12625 specifies a test method for the determination of the tensile strength, stretch at break and tensile energy absorption of tissue paper and tissue products. It uses a tensile-testing apparatus operating with a constant rate of elongation.

It also specifies the method of calculating the tensile index and the tensile energy absorption index.

It is expressly stated that the detection of impurities and contraries in tissue paper and tissue products should be applied according to ISO 15755.

For the determination of moisture content in tissue paper and tissue products, ISO 287 should be applied.

2 Normative references

The following referenced documents are indispensable for the application 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 186, *Paper and board — Sampling to determine average quality*

ISO 187, *Paper, board and pulps — Standard atmosphere for conditioning and testing and procedure for monitoring the atmosphere and conditioning of samples*

ISO 536, *Paper and board — Determination of grammage*

ISO 1924-2:1994, *Paper and board — Determination of tensile properties — Part 2: Constant rate of elongation method*

ISO 7500-1, *Metallic materials — Verification of uniaxial testing machines — Part 1: Tension/compression testing machines — Verification and calibration of the force-measuring system*

ISO 12625-1, *Tissue paper and tissue products — Part 1: General guidance on terms*

ISO 12625-6, *Tissue paper and tissue products — Part 6: Determination of grammage*