

STN	Papier tissue a výrobky tissue Časť 4: Určenie tržného zaťaženia, ťažnosti pri maximálnej sile a absorpcie ťahovej energie (ISO 12625-4: 2022)	STN EN ISO 12625-4 50 6301
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Tissue paper and tissue products - Part 4: Determination of tensile strength, stretch at maximum force and tensile energy absorption (ISO 12625-4:2022)

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. 11/22

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English Version

Tissue paper and tissue products - Part 4: Determination of tensile strength, stretch at maximum force and tensile energy absorption (ISO 12625-4:2022)

Papier tissue et produits tissue - Partie 4:
Détermination de la résistance à la rupture par traction, de l'allongement à la force maximale et de l'énergie absorbée à la rupture par traction (ISO 12625-4:2022)

Tissue-Papier und Tissue-Produkte - Teil 4:
Bestimmung der breitenbezogenen Bruchkraft, der Dehnung bei maximaler Kraft und des Arbeitsaufnahmevermögens (ISO 12625-4:2021)

This European Standard was approved by CEN on 9 July 2022.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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EN ISO 12625-4:2022 (E)

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European foreword

This document (EN ISO 12625-4:2022) has been prepared by Technical Committee ISO/TC 6 "Paper, board and pulps" in collaboration with Technical Committee CEN/TC 172 "Pulp, paper and board" the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by March 2023, and conflicting national standards shall be withdrawn at the latest by March 2023.

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 12625-4:2016.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

Endorsement notice

The text of ISO 12625-4:2022 has been approved by CEN as EN ISO 12625-4:2022 without any modification.

INTERNATIONAL STANDARD

ISO 12625-4

Third edition
2022-08

Tissue paper and tissue products — Part 4: Determination of tensile strength, stretch at maximum force and tensile energy absorption

Papier tissue et produits tissue —

*Partie 4: Détermination de la résistance à la rupture par traction,
de l'allongement à la force maximale et de l'énergie absorbée à la
rupture par traction*



Reference number
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ISO 12625-4:2022(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).

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

This third edition cancels and replaces the second edition (ISO 12625-4:2016), which has been technically revised.

The main changes are as follows:

- inclusion of [Annex B](#), which describes a method of determining the tensile modulus.

A list of all parts in the ISO 12625 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.

Tissue paper and tissue products —

Part 4:

Determination of tensile strength, stretch at maximum force and tensile energy absorption

1 Scope

This document specifies a test method for the determination of the tensile strength, stretch at maximum force 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.

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 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 1924-2, *Paper and board — Determination of tensile properties — Part 2: Constant rate of elongation method (20 mm/min)*

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

ISO 12625-1, *Tissue paper and tissue products — Part 1: Vocabulary*

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

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