



NSAI
Standards

Irish Standard
I.S. EN ISO 12625-5:2016

Tissue paper and tissue products - Part 5: Determination of wet tensile strength

I.S. EN ISO 12625-5:2016

Incorporating amendments/corrigenda/National Annexes issued since publication:

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

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National Foreword

I.S. EN ISO 12625-5:2016 is the adopted Irish version of the European Document EN ISO 12625-5:2016, Tissue paper and tissue products - Part 5: Determination of wet tensile strength

This document does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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In line with international standards practice the decimal point is shown as a comma (,) throughout this document.

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EUROPEAN STANDARD

EN ISO 12625-5

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2016

ICS 85.060

Supersedes EN ISO 12625-5:2005

English Version

Tissue paper and tissue products - Part 5: Determination of wet tensile strength (ISO 12625-5:2016)

Papier tissue et produits tissue - Partie 5:
Détermination de la résistance à la rupture par traction
à l'état humide (ISO 12625-5:2016)

Tissue-Papier und Tissue-Produkte - Teil 5:
Bestimmung der breitenbezogenen Nassbruchkraft
(ISO 12625-5:2016)

This European Standard was approved by CEN on 21 November 2016.

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EN ISO 12625-5:2016 (E)

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European foreword

This document (EN ISO 12625-5:2016) 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of an identical text or by endorsement, at the latest by June 2017, and conflicting national standards shall be withdrawn at the latest by June 2017.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 12625-5:2005.

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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 12625-5:2016 has been approved by CEN as EN ISO 12625-5:2016 without any modification.

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**INTERNATIONAL
STANDARD**

**ISO
12625-5**

Second edition
2016-12-01

**Tissue paper and tissue products —
Part 5:
Determination of wet tensile strength**

Papier tissue et produits tissue —

Partie 5: Détermination de la résistance à la rupture par traction à l'état humide



Reference number
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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 on 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 the following URL: www.iso.org/iso/foreword.html.

This document was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 172, *Pulp, paper and board*, in collaboration with ISO Technical Committee 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 second edition cancels and replaces the first edition (ISO 12625-5:2005), which has been technically revised with the following changes:

- a) in [Clause 7](#), a more detailed description of the preparation of the test pieces was included;
- b) in [Clause 8](#), the procedure for measurement was clarified;
- c) in [Clause 10](#), additional information is to be included in the test report;
- d) more detailed precision data in [Annex A](#);
- e) this document has been editorially updated.

A list of all parts in the ISO 12625 series can be found on the ISO website.

Tissue paper and tissue products —

Part 5: Determination of wet tensile strength

1 Scope

This document specifies a test method for the determination of the wet tensile strength of tissue paper and tissue products after soaking with water, using a tensile-strength-testing apparatus operating with a constant rate of elongation.

Currently, two types of tensile-strength-testing apparatus are commercially available, one where the test piece is positioned vertically and, for the other, horizontally. This document applies for both. For vertical tensile-strength-testing apparatus, a device which is held in the lower grip of the tensile-strength-testing apparatus, called a Finch Cup, is used to achieve the wetting. For horizontal tensile-strength-testing apparatus, the soaking device is placed between the clamps.

In cases where impurities and contraries have to be determined, ISO 15755^[6] applies for these detections in tissue paper and tissue products.

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*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 12625-1 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1

wet tensile strength

maximum tensile force per unit width that a test piece soaked with water will withstand before breaking in a tensile test

Note 1 to entry: The wet tensile strength is expressed in newtons per metre (N/m).

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