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STN	**Papier tissue a výrobky tissue. Časť 9: Určenie pevnosti v prietlaku pomocou gule (ISO 12625-9: 2015).**	**STN EN ISO 12625-9** 50 6301

Tissue paper and tissue products - Part 9: Determination of ball burst strength (ISO 12625-9:2015)

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. 06/15

Rozpracované prekladom.

Obsahuje: EN ISO 12625-9:2015, ISO 12625-9:2015

Oznámením tejto normy sa ruší
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EN ISO 12625-9

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ICS 85.060

Supersedes EN ISO 12625-9:2005

English Version

Tissue paper and tissue products - Part 9: Determination of ball burst strength (ISO 12625-9:2015)

Papier tissue et produits tissue - Partie 9: Détermination de la résistance à l'éclatement, méthode à la balle (ISO 12625-9:2015)

Tissue-Papier und Tissue-Produkte - Teil 9: Bestimmung der Berstfestigkeit mit einem Durchstoßkörper (ISO 12625-9:2015)

This European Standard was approved by CEN on 3 January 2015.

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

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Foreword

This document (EN ISO 12625-9:2015) 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of an identical text or by endorsement, at the latest by August 2015, and conflicting national standards shall be withdrawn at the latest by August 2015.

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 12625-9:2005.

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 12625-9:2015 has been approved by CEN as EN ISO 12625-9:2015 without any modification.

INTERNATIONAL STANDARD

ISO 12625-9

Second edition
2015-02-15

Tissue paper and tissue products —

Part 9: Determination of ball burst strength

Papier tissue et produits tissue —

Partie 9: Détermination de la résistance à l'éclatement, méthode à la balle

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

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 WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is 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) in collaboration with by the European Committee for Standardization (CEN) Technical Committee CEN/TC 172, Pulp, paper and board.

This second edition cancels and replaces the first edition, ISO 12625-9:2005, which has been technically revised.

The following changes have been made:

— Clause 4 was reformulated;

— internal diameter of the two concentric rings was reduced to 50 mm;

— description of the procedure in Clause 9 was simplified;

— precision data in Annex A was added;

— editorial updating.

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

— *Part 1: General guidance on terms;*

— *Part 3: Determination of thickness, bulking thickness apparent bulk density and bulk;*

— *Part 4: Determination of tensile strength, stretch at maximum force and tensile energy absorption;*

— *Part 5: Determination of wet tensile strength;*

— *Part 6: Determination of grammage;*

— *Part 7: Determination of optical properties — Measurement of brightness and colour with D65/10° (outdoor daylight);*

— *Part 8: Water-absorption time and water-absorption capacity, basket-immersion test method;*

— *Part 9: Determination of ball burst strength;*

— *Part 11: Determination of wet ball burst strength;*

— *Part 12: Determination of tensile strength of perforated lines — Calculation of perforation efficiency;*

— *Part 15: Determination of optical properties — Measurement of brightness and colour with C/2° (indoor daylight);*

— *Part 16: Determination of optical properties — Opacity (paper backing) — Diffuse reflectance method*

Introduction

This part of ISO 12625 is applicable to tissue papers and tissue products. In principle, application to other paper types is possible, but not covered by this part of ISO 12625.

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

For the determination of moisture content in tissue paper and tissue products, ISO 287 and ISO 638 are applied.

INTERNATIONAL STANDARD **ISO 12625-9:2015(E)**

Tissue paper and tissue products —

Part 9:
Determination of ball burst strength

1 Scope

This part of ISO 12625 specifies a test method for the determination of the resistance to mechanical penetration (ball burst strength procedure) of tissue paper and tissue products.

Currently, two types of clamping devices are available on the market with two different diameters, one is with 50 mm and one is with 89 mm (see Annex B). This part of ISO 12625 applies for a 50 mm clamping device to be able to measure all sample sizes of tissue paper and tissue products and to be consistent with ISO 12625-11.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 7500-1, *Metallic materials — Verification of static 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*

