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



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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)

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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of an identical text or by endorsement, at the latest by August 2015, and conflicting national standards shall be withdrawn at the latest by August 2015.

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Endorsement notice

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

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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.

of moisture 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.

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

3 Terms and definitions

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

3.1

grammage

g

 $mass\, of a\, unit\, area\, of tissue\, paper\, or\, tissue\, product\, as\, determined\, by\, the\, procedure\, specified\, in\, ISO\, 12625-6$

Note 1 to entry: The grammage is expressed in gram per square metre (g/m^2) .

3.2

bursting force

F

maximum force that a test piece of tissue paper or tissue product can withstand under the test conditions, applied at right angle to its surface

Note 1 to entry: The bursting force is expressed in newton (N).