
Tissue paper and tissue products —
Part 6:
Determination of grammage

Papier tissue et produits tissue —

Partie 6: Détermination du grammage



This document is a preview generated by EBS



COPYRIGHT PROTECTED DOCUMENT

© ISO 2016, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

Contents

	Page
Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	1
5 Apparatus	2
6 Sampling	2
7 Conditioning	2
8 Preparation of test pieces	2
8.1 General.....	2
8.2 Cutting of the test pieces.....	3
8.2.1 General.....	3
8.2.2 Size of test pieces.....	3
8.2.3 Number of test pieces.....	3
8.3 Uncut finished products.....	3
8.3.1 General.....	3
8.3.2 Size of test pieces.....	3
8.3.3 Number of test pieces.....	3
9 Procedure	4
9.1 Determination of the mass of the test pieces.....	4
9.2 Determination of the area of the test pieces.....	4
10 Calculation	4
10.1 General.....	4
10.2 Mean and standard deviation of grammage.....	5
11 Test report	5
Annex A (informative) Precision	7
Bibliography	10

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).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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 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 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 12625-6:2005), which has been technically revised with the following changes:

- a) a new subclause, [8.3](#), has been added;
- b) formulae were added to clarify [Clause 10](#);
- c) in [Annex A](#), the precision data has been updated;
- d) 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 6: Determination of grammage

1 Scope

This document specifies a test method for the determination of grammage of 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*

3 Terms and definitions

For the purposes of this document, the following terms and definitions 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

grammage

g

mass of a unit area of tissue paper or tissue product as determined by the procedure in this document

Note 1 to entry: Grammage is expressed in grams per square metre (g/m²).

4 Principle

The mass and area of a test piece or test pieces of either a tissue paper or a tissue product is measured and the grammage is calculated as the mass per unit area of the test pieces taken. For finished paper products, the grammage may also be calculated from the mass and area of a specified number of the finished tissue product items. Precision data are available in [Annex A](#).