SLOVENSKI STANDARD
SIST EN ISO 1924-2:2009

01-april-2009

Nadomeġļa:

SIST EN ISO 1924-2:2000

Papir, karton in lepenka - Doloļevanje nateznih lastnosti - 2. del: Metoda z enakomernim naraġļanjem raztezka (20 mm/min) (ISO 1924-2:2008)

Paper and board - Determination of tensile properties - Part 2: Constant rate of elongation method (20 mm/min) (ISO 1924-2:2008)

Papier und Pappe - Bestimmung von Eigenschaften bei Zugbeanspruchung - Teil 2: Verfahren mit konstanter Dehngeschwindigkeit (20 mm/min) (ISO 1924-2:2008)

Papier et carton - Détermination des propriétés de traction - Partie 2: Méthode à gradient d'allongement constant (20 mm/min) (ISO 1924-2:2008)

Ta slovenski standard je istoveten z: EN ISO 1924-2:2008

ICS:

85.060 Papir, karton in lepenka Paper and board

SIST EN ISO 1924-2:2009 en,fr,de

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 1924-2

December 2008

ICS 85.060

Supersedes EN ISO 1924-2:1995

English Version

Paper and board - Determination of tensile properties - Part 2: Constant rate of elongation method (20 mm/min) (ISO 1924-2:2008)

Papier et carton - Détermination des propriétés de traction - Partie 2: Méthode à gradient d'allongement constant (20 mm/min) (ISO 1924-2:2008)

Papier und Pappe - Bestimmung von Eigenschaften bei Zugbeanspruchung - Teil 2: Verfahren mit konstanter Dehngeschwindigkeit (20 mm/min) (ISO 1924-2:2008)

This European Standard was approved by CEN on 19 November 2008.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Ref. No. EN ISO 1924-2:2008: E

Contents

Page

Foreword

This document (EN ISO 1924-2:2008) 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 2009, and conflicting national standards shall be withdrawn at the latest by June 2009.

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 1924-2:1995.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of ISO 1924-2:2008 has been approved by CEN as a EN ISO 1924-2:2008 without any modification.

INTERNATIONAL STANDARD

ISO 1924-2

Third edition
2008-12-15

Paper and board — Determination of tensile properties —

Part 2: Constant rate of elongation method (20 mm/min)

Papier et carton — Détermination des propriétés de traction — Partie 2: Méthode à gradient d'allongement constant (20 mm/min)

Reference number
ISO 1924-2:2008(E)

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 1924-2 was prepared by Technical Committee ISO/TC 6, *Paper, board and pulps*, Subcommittee SC 2, *Test methods and quality specifications for paper and board*.

This third edition cancels and replaces the second edition (ISO 1924-2:1994), which has been technically revised with respect to terms and definitions (in order to be in line with the terms and definitions used in ISO 1924-3[1]). The numbering of clauses and their contents have been changed to be congruent with ISO 1924-3.

ISO 1924 consists of the following parts, under the general title *Paper and board — Determination of tensile properties*[1]):

— *Part 2: Constant rate of elongation method (20 mm/min)*

— *Part 3: Constant rate of elongation method (100 mm/min)*

1) ISO 1924-1, *Constant rate of loading method*, was withdrawn in 2004 as it was considered obsolete.

Introduction

The method for determination of tensile properties specified in this part of ISO 1924 is the one most commonly used. It is related to the method specified in ISO 1924-3. In this part of ISO 1924 (ISO 1924-2), the constant rate of elongation applied is 20 mm/min, whereas in ISO 1924-3, the constant rate of elongation applied is 100 mm/min.

Since the results of a tensile test depend on the rate of elongation applied, this part of ISO 1924 and ISO 1924-3 will not give the same results. The rate dependence can vary according to paper grade and is different for tensile strength, strain at break, tensile energy absorption and modulus of elasticity.

NOTE 1 In most cases, the tensile properties can increase by 5 % to 15 % when the rate of elongation is increased from 20 mm/min (180 mm test span length) to 100 mm/min (100 mm test span length).

NOTE 2 In this part of ISO 1924, the same terminology and symbols are used as in ISO 1924-3 and in general literature concerning materials physics and mechanics.

