

SLOVENSKI STANDARD

SIST EN ISO 7263:2009

01-maj-2009

Nadomešča:

SIST EN ISO 7263:1996

Ovalovljeni papir - Določanje ploskovne odpornosti po laboratorijskem ovalovljenju (ISO 7263:2008)

Corrugating medium - Determination of the flat crush resistance after laboratory fluting (ISO 7263:2008)

Wellenrohpapier - Bestimmung des Flachstauchwiderstandes an labormäßig gewellter Wellpappe (ISO 7263:2008)

Papier cannelure pour carton ondulé - Détermination de la résistance à la compression à plat après cannelage en laboratoire (ISO 7263:2008)

Ta slovenski standard je istoveten z: EN ISO 7263:2008

ICS:

85.060

Papir, karton in lepenka

Paper and board

SIST EN ISO 7263:2009

en,fr,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 7263

December 2008

ICS 85.080.30

Supersedes EN ISO 7263:1995

English Version

Corrugating medium - Determination of the flat crush resistance
after laboratory fluting (ISO 7263:2008)

Papier cannelure pour carton ondulé - Détermination de la
résistance à la compression à plat après cannelage en
laboratoire (ISO 7263:2008)

Wellenrohpapier - Bestimmung des
Flachstauchwiderstandes an labormäßig gewelltem
Wellenpapier (ISO 7263:2008)

This European Standard was approved by CEN on 5 December 2008.

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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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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Foreword

This document (EN ISO 7263:2008) 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of an identical text or by endorsement, at the latest by June 2009, and conflicting national standards shall be withdrawn at the latest by June 2009.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 7263:1995.

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.

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The text of ISO 7263:2008 has been approved by CEN as a EN ISO 7263:2008 without any modification.

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INTERNATIONAL STANDARD

**ISO
7263**

Third edition
2008-12-15

Corrugating medium — Determination of the flat crush resistance after laboratory fluting

*Papier cannelure pour carton ondulé — Détermination de la résistance
à la compression à plat après cannelage en laboratoire*

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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.

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 7263 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 7263:1994), which has been technically revised. The major revision is the change in how the time between fluting and compression testing is expressed. Description and calibration of the compression testing equipment have been eliminated and the appropriate International Standard is referenced. Precision statements for the rigid platen instrument and for the procedure involving conditioning prior to testing have been added. An annex describing steps to be taken for fluter maintenance is included.

Introduction

The flat crush resistance of laboratory-fluted corrugating medium is regarded as an important property because it is an indication of the potential flat crush resistance of corrugated fibreboard made from that medium. The corrugated medium is fluted by passing it between heated rollers. Two different test procedures are then widely used:

- a) the fluted corrugating medium is compressed immediately after fluting (i.e. 5 s to 8 s after fluting);
- b) the fluted corrugating medium is conditioned for 30 min to 35 min under standard laboratory test conditions before being compressed.

Procedure a) generally gives considerably higher results than those obtained with procedure b). The differences in results are claimed to be caused by

- the lower moisture content (and thus higher stiffness) of the unconditioned fluted corrugating medium,
- the change in flute profile which occurs during the conditioning period.

Since considerable advantages are claimed for both procedures and both are widely used, this International Standard describes both procedures.

A method of determining the flat crush resistance of manufactured corrugated fibreboard is given in ISO 3035:1982, *Single-faced and single-wall corrugated fibreboard — Determination of flat crush resistance*.

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