



SLOVENSKI STANDARD  
SIST EN ISO 5270:2000  
01-december-2000

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Pulps - Laboratory sheets - Determination of physical properties (ISO 5270:1998)

Halbstoffe - Laborblätter - Bestimmung von physikalischen Eigenschaften (ISO 5270:1998)

Pâtes - Feuilles de laboratoire - Détermination des propriétés physiques (ISO 5270:1998)

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Ta slovenski standard je istoveten z: <sup>SIST EN ISO 5270:2000</sup> EN ISO 5270:1999  
<https://standards.iteh.ai/catalog/standards/sist/c24912ff-c2ad-4ed5-a21b-9c3e32dc2788/sist-en-iso-5270-2000>

**ICS:**

85.040          Vlaknine                          Pulps

**SIST EN ISO 5270:2000**                          en

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

EN ISO 5270

September 1999

ICS 85.040

English version

Pulps - Laboratory sheets - Determination of physical properties  
(ISO 5270:1998)

Pâtes - Feuilles de laboratoire - Détermination des  
propriétés physiques (ISO 5270:1998)

Halbstoffe - Laborblätter - Bestimmung von physikalischen  
Eigenschaften (ISO 5270:1998)

This European Standard was approved by CEN on 21 August 1999.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

**Foreword**

The text of the International Standard from Technical Committee ISO/TC 6 "Paper, board and pulps" of the International Organization for Standardization (ISO) has been taken over as an European Standard by 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 March 2000, and conflicting national standards shall be withdrawn at the latest by March 2000.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

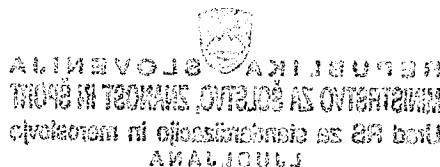
**Endorsement notice**

The text of the International Standard ISO 5270:1998 has been approved by CEN as a European Standard without any modification.

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NOTE: Normative references to International Standards are listed in annex ZA (normative).

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**Annex ZA** (normative)**Normative references to international publications  
with their relevant European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 187	1990	Paper board and pulps - Standard atmosphere for conditioning and testing and procedure for monitoring the atmosphere and conditioning of samples	EN 20187	1993
ISO 534	1988	Paper and board - Determination of thickness and apparent bulk density or apparent sheet density	EN 20534	1993
ISO 1924-2	1994	Paper and board - Determination of tensile properties - Part 2: Constant rate of elongation method	EN ISO 1924-2	1995
ISO 1974	1990	Paper - Determination of tearing resistance (Elmendorf method)	EN 21974	1994
ISO 7263	1994	Corrugating medium - Determination of the flat crush resistance after laboratory fluting	EN ISO 7263	1995

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# INTERNATIONAL STANDARD

**ISO**  
**5270**

Second edition  
1998-04-01

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## **Pulps — Laboratory sheets — Determination of physical properties**

*Pâtes — Feuilles de laboratoire — Détermination des propriétés physiques*

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Reference number  
ISO 5270:1998(E)

**ISO 5270:1998(E)****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.

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.

International Standard ISO 5270 was prepared by Technical Committee ISO/TC 6, *Paper, board and pulps*, Subcommittee SC 5, *Test methods and quality specifications for pulps*.

This second edition cancels and replaces the first edition (ISO 5270:1979), of which it constitutes a technical revision.

Annex A of this International Standard is for information only.

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# Pulps — Laboratory sheets — Determination of physical properties

## 1 Scope

This International Standard specifies test methods for the determination of some physical properties of laboratory sheets made of pulp. It is intended for laboratory sheets prepared in accordance with ISO 5269-1 or ISO 5269-2 and shall be used in conjunction with the relevant International Standards for the corresponding test methods for paper to which reference is made.

The methods specified in this International Standard deviate, in certain instances, from those specified in the relevant International Standards for paper due to the limited amount of test material available.

NOTE — The preparation of laboratory sheets for the determination of the diffuse blue reflectance factor (ISO brightness) of pulp is specified in ISO 3688. The measurement of ISO brightness of paper, board and pulps is described in ISO 2470.

## 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 187:1990, *Paper, board and pulps — Standard atmosphere for conditioning and testing and procedure for monitoring the atmosphere and conditioning of samples.*

ISO 534:1988, *Paper and board — Determination of thickness and apparent bulk density or apparent sheet density.*

ISO 1924-2:1994, *Paper and board — Determination of tensile properties — Part 2: Constant rate of elongation method.*

ISO 1974:1990, *Paper — Determination of tearing resistance (Elmendorf method).*

ISO 2493:1992, *Paper and board — Determination of resistance to bending.*

ISO 2758:1983, *Paper — Determination of bursting strength.*

ISO 5269-1:—<sup>1)</sup>, *Pulps — Preparation of laboratory sheets for physical testing — Part 1: Conventional sheet-former method.*

ISO 5269-2:—<sup>2)</sup>, *Pulps — Preparation of laboratory sheets for physical testing — Part 2: Rapid-Köthen method.*

ISO 5626:1993, *Paper — Determination of folding endurance.*

ISO 5636-5:1986, *Paper and board — Determination of air permanence (medium range) — Part 5: Gurley method.*

ISO 7263:1994, *Corrugating medium — Determination of the flat crush resistance after laboratory fluting.*

1) To be published. (Revision of ISO 5269-1:1979)

2) To be published. (Revision of ISO 5269-2:1980)