

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

Pulps - Laboratory sheets - Determination of physical properties

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 5270:2000 sisaldab Euroopa standardi EN ISO 5270:1999 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.02.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 5270:2000 consists of the English text of the European standard EN ISO 5270:1999.</p> <p>This document is endorsed on 18.02.2000 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
--	---

<p><b>Käsitlusala:</b></p> <p>This 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 Standards for the corresponding test methods for paper to which reference is made.</p>	<p><b>Scope:</b></p> <p>This 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 Standards for the corresponding test methods for paper to which reference is made.</p>
---	---

**ICS** 85.040

**Võtmesõnad:** bulk density, determination, gas permeability, mechanical strength, paper pulps, physical tests, rigidity, sheets, tests

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 1999-08-21.

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.

The European Standards exist 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, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

**CEN**

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

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

## Foreword

International Standard

ISO 5270 : 1998 Pulps – Laboratory sheets – Determination of physical properties, which was prepared by ISO/TC 6 'Paper, board and pulps' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 172 'Pulp, paper and board', the Secretariat of which is held by DIN, as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by March 2000 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

## Endorsement notice

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

NOTE: Normative references to international publications are listed in Annex ZA (normative).

## 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)