



# SLOVENSKI STANDARD SIST EN ISO 5084:1999

01-marec-1999

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## Tekstilije - Ugotavljanje debeline tekstilij (ISO 5084:1996)

Textiles - Determination of thickness of textiles and textile products (ISO 5084:1996)

Textilien - Bestimmung der Dicke von Textilien und textilen Erzeugnissen (ISO 5084:1996)

Textiles - Détermination de l'épaisseur des textiles et produits textiles (ISO 5084:1996)

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**Ta slovenski standard je istoveten z: EN ISO 5084:1996**

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### **ICS:**

59.080.30      Tkanine                                      Textile fabrics

**SIST EN ISO 5084:1999**

**en**

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EUROPEAN STANDARD

EN ISO 5084

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English version

**Textiles - Determination of thickness of textiles  
and textile products (ISO 5084:1996)**Textiles - Détermination de l'épaisseur des  
textiles et produits textiles (ISO 5084:1996)Textilien - Bestimmung der Dicke von Textilien  
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This European Standard was approved by CEN on 1996-07-12. 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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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

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

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EN ISO 5084:1996

## Foreword

The text of the International Standard ISO 5084:1996 has been prepared by Technical Committee ISO/TC 38 "Textiles" in collaboration with Technical Committee CEN/TC 248 "Textiles and textile products", the secretariat of which is held by BSI.

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 1997, and conflicting national standards shall be withdrawn at the latest by March 1997.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, 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 5084:1996 was approved by CEN as a European Standard without any modification.

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 139	1973	Textiles - Standard atmospheres for conditioning and testing	EN 20 139	1992

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INTERNATIONAL  
STANDARD

**ISO**  
**5084**

Second edition  
1996-09-01

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**Textiles — Determination of thickness of  
textiles and textile products**

**iTeh STANDARD PREVIEW**  
*Textiles — Détermination de l'épaisseur des textiles et produits textiles*  
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Reference number  
ISO 5084:1996(E)

**ISO 5084:1996(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 5084 was prepared by Technical Committee ISO/TC 38, *Textiles*.

This second edition cancels and replaces the first edition (ISO 5084:1977), which has been technically revised.

Annex A forms an integral part of this International Standard. Annex B is for information only.

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International Organization for Standardization  
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# Textiles — Determination of thickness of textiles and textile products

## 1 Scope

This International Standard specifies a method for the determination of the thickness of textiles and textile products when under a specified pressure. It is not applicable to textile floor coverings, nonwovens, geotextiles and coated fabrics for which specific International Standards exist (see annex B).

## 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 139:1973, *Textiles — Standard atmospheres for conditioning and testing*.

ISO 10012-1:1992, *Quality assurance requirements for measuring equipment — Part 1: Metrological confirmation system for measuring equipment*.

## 3 Definition

For the purposes of this International Standard, the following definition applies.

**3.1 thickness of a textile:** Perpendicular distance between two reference plates exerting a pressure of 1 kPa or less on the textile.

## 4 Principle

The thickness of a specimen is measured as the distance between the reference plate on which the specimen rests and a parallel circular presser-foot that exerts a specified pressure on the area of the textile under test.

A test specimen is placed between two reference plates which exert a known pressure on the specimen. The perpendicular distance between the reference plates is measured and recorded after a specified time.

## 5 Apparatus

### 5.1 Thickness tester

The confirmation system for the thickness tester shall comply with ISO 10012-1. The thickness tester shall incorporate (or be equipped with) the following elements.

**5.1.1 Interchangeable presser-feet**, of area appropriate to the type of fabric to be tested.

The recommended pressure-foot area for the test is  $(2\,000 \pm 20)$  mm<sup>2</sup>, corresponding to a circular presser-foot of diameter  $(50,5 \pm 0,2)$  mm (see also annex A). If other test areas have to be used, this shall be agreed by the interested parties and shall be stated in the test report.

**5.1.2 Reference plate**, with a plane upper surface of diameter at least 50 mm greater than that of the presser-foot (5.1.1).

**5.1.3 Means for moving the presser-foot** (in a direction normal to the upper surface of the reference plate), so that its bearing surface is maintained horizontal and parallel to the upper surface of the refer-