

Tekstiil. Tekstiili ja tekstiiltoodete paksuse määramine

Textiles - Determination of thickness of textiles and
textile products

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 5084:2000 sisaldab Euroopa standardi EN ISO 5084:1996 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 11.01.2000 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 5084:2000 consists of the English text of the European standard EN ISO 5084:1996.</p> <p>This document is endorsed on 11.01.2000 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>
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<p>Käsitlusala:</p> <p>See rahvusvaheline standard määrab kindlaks meetodi tekstiili ja tekstiiltoodete paksuse määramiseks kindla rõhu all. Standardit ei rakendata tekstiilpõrandakatete, lausmaterjalide, geotekstiili ja dubleeritud kangaste puhul, mille kohta on olemas spetsiaalne rahvusvaheline standard.</p>	<p>Scope:</p>
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ICS 59.080.30

Võtmesõnad: kangad, katsed, määramine, paksus, paksuse mõõtmine, tekstiil, tekstiiltooted

ICS 59.080.30

Descriptors: Textiles, testing, thickness.

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 und textilen Erzeugnissen
(ISO 5084:1996)

This European Standard was approved by CEN on 1996-07-12 and is identical to the ISO Standard as referred to.

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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, 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 5084:1996 Textiles – Determination of thickness of textiles and textile products,

which was prepared by ISO/TC 38 'Textiles' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 248 'Textiles and textile products' 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 1997 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, 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.

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 $(2\,000 \pm 20) \text{ mm}^2$, corresponding to a circular presser-foot of diameter $(50,5 \pm 0,2) \text{ mm}$ (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-