

**Tekstiil. Kangasmaterjalid.
Pindtiheduse määramine
väikeproovidest**

Textiles - Fabrics - Determination of mass per unit
area using small samples

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 12127:2000 sisaldab Euroopa standardi EN 12127:1997 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 12127:2000 consists of the English text of the European standard EN 12127:1997.</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>
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<p>Käsitlusala: Kanga-, tükktöote või rõivatöote proov konditsioneeritakse relakseeritud olekus, materjaliproov lõigatakse välja ja kaalutakse konditsioneerituna ja/või ahjukuivana.</p>	<p>Scope:</p>
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Võtmesõnad: eripindalad, kangad, katsed, menetlus, määramine, proovivõtmine, tekstiil

ICS 59.080.30

Descriptors: Textiles, fabrics, mass per unit area, testing.

English version

Textiles – Fabrics

Determination of mass per unit area using small samples

Textiles – Étoffes – Détermination de
la masse surfacique sur de petits
échantillons

Textilien – Textile Flächengebilde –
Bestimmung der flächenbezogenen
Masse unter Verwendung kleiner
Proben

This European Standard was approved by CEN on 1997-07-19.

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.

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CEN

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

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

Foreword

This European Standard has been prepared by 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 April 1998, and conflicting national standards shall be withdrawn at the latest by April 1998.

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.

Introduction

This method for the determination of mass per unit area is based on the measurement of small samples of fabrics in the conditioned and/or oven-dry state. Other possible methods are described in ISO 3801 'Textiles - Woven Fabrics - Determination of mass per unit length and mass per unit area'.

1 Scope

This standard describes methods for the determination of the mass per unit area using small samples in the standard atmosphere for testing and/or oven-dry. It is applicable to woven and knitted fabrics. It may also be applicable to fabrics produced by other techniques.

2 Normative References

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.

EN 20139:1993

Textiles - Standard atmospheres for conditioning and testing. (ISO 139:1979)

EN 30012-1:1993

Quality assurance requirements for measuring equipment - Part 1: Metrological confirmation system for measuring equipment. (ISO 10012-1:1992)

3 Definition

For the purposes of this Standard the following definitions apply:

3.1 mass per unit area: Mass of a known area of fabric divided by that area, expressed in grams per square metre.

4 Principle

The sample of fabric is conditioned in the relaxed state, specimens are cut, and weighed in the conditioned and/or oven-dry state, and the mass per unit area is calculated.

5 Sampling

5.1 Sampling from fabrics

Select specimens either in accordance with the procedure laid down in the material specification for the fabric, or as agreed between the interested parties.

In the absence of an appropriate material specification an example of a suitable sampling procedure is given in Annex A.

An example for selecting test specimens from a laboratory sample is given in Annex B. Avoid test specimens with folded or creased areas, selvages and areas not representative of the fabric. For non-homogeneous fabrics select specimens representative of the various areas which shall be defined as agreed between the interested parties.