

**Tekstiil. Lausriide katsetamise
meetodid. Osa 2: Paksuse määramine**

Textiles - Test methods for nonwovens - Part 2:
Determination of thickness

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 9073-2:2000 sisaldab Euroopa standardi EN ISO 9073-2:1996 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 9073-2:2000 consists of the English text of the European standard EN ISO 9073-2:1996.</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: See standard määrab kindlaks meetodid tavaliste ja karusega lausmaterjalide paksuse määramiseks kindla rõhu all.</p>	<p>Scope:</p>
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ICS 59.080.30

Võtmesõnad: kangad, katsed, lausriie, paksuse mõõtmine, tekstiil

EUROPEAN STANDARD

EN ISO 9073-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 1996

ICS 59.080.30

Supersedes EN 29073-2:1992

Descriptors: see ISO document

English version

**Textiles - Test methods for nonwovens - Part 2:
Determination of thickness (EN ISO 9073-2:1995)**

Textiles - Méthodes d'essai pour nontissés -
Partie 2: Détermination de l'épaisseur (EN
ISO 9073-2:1995)

Textilien - Prüfverfahren für Vliesstoffe -
Teil 2: Bestimmung der Dicke (EN
ISO 9073-2:1995)

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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.

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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

The text of the International Standard from Technical Committee ISO/TC 38 "Textiles" of the International Organization for Standardization (ISO) has been taken over as an European Standard by Technical Committee CEN/TC 248 "Textile and textile products", the secretariat of which is held by BSI.

This European Standard supersedes EN 29073-2:1992.

ISO 9073 consists of the following parts, with the general title "Textiles - Test methods for nonwovens":

- Part 1: Determination of mass of per unit area
- Part 2: Determination of thickness
- Part 3: Determination of tensile strength and elongation
- Part 4: Determination of tear resistance

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 1997, and conflicting national standards shall be withdrawn at the latest by April 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 9073-2:1995 has been approved by CEN as a European Standard without any modification.

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

Introduction

Although nonwovens are classified within the textile industry, it should be recognized that nonwovens technologically share characteristics not only with textile products but also with paper and/or plastic products. There is an existing international textile test for the determination of thickness, ISO 5084:—, *Textiles — Determination of the thickness of textiles and textile products (other than textile floor coverings, nonwovens and geotextiles)* [to be published (revision of ISO 5084:1977)]. However, in order to meet the specific needs of nonwovens, alternative requirements to those listed in ISO 5084 are specified in this part of ISO 9073. These are

- a) a different sampling procedure;
- b) specific pressures at which to test normal and bulky nonwovens;
- c) a specific area for the size of the presser-foot;
- d) a shorter time to note the gauge reading.

Textiles — Test methods for nonwovens —

Part 2: Determination of thickness

1 Scope

This part of ISO 9073 specifies methods for the determination of the thickness, when under a specific pressure, of normal and bulky nonwoven textiles.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 9073. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 9073 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 186:1994, *Paper and board — Sampling to determine average quality*.

3 Definitions

For the purposes of this part of ISO 9073, the following definitions apply.

3.1 bulky nonwoven: Nonwoven textile which is compressible by 20 % or more when the pressure applied changes from 0,1 kPa to 0,5 kPa.

3.2 thickness: Distance between the face and back of a nonwoven, measured as the distance between a reference plate on which the nonwoven rests and a parallel presser-foot that is applying a pressure to the nonwoven.

4 Principle

Measurement of the thickness of a nonwoven as the distance between the reference plate on which the nonwoven rests and a parallel presser-foot that exerts a specified pressure on the area under test.

5 Apparatus

5.1 For normal nonwovens

5.1.1 Two circular horizontal plates, attached to a stand, comprising an upper plate, or presser-foot, capable of moving vertically and having an area of approximately 2 500 mm², and a reference plate having a plane surface of diameter at least 50 mm greater than that of the presser-foot.

5.1.2 Measuring device, having a scale with 0,01 mm graduations, for measuring the distance between the reference plate and the presser-foot (5.1.1).

5.2 For bulky nonwovens with a maximum thickness of 20 mm

NOTE 1 An example of suitable test apparatus is shown in figure 1.