

Textiles - Test methods for nonwovens - Part 12: Demand absorbency

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 9073-12:2005 sisaldab Euroopa standardi EN ISO 9073-12:2004 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 22.02.2005 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 9073-12:2005 consists of the English text of the European standard EN ISO 9073-12:2004.</p> <p>This document is endorsed on 22.02.2005 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>This part of ISO 9073 describes a method for the evaluation of the absorbency of fabrics when one side is in contact with a liquid and the fabric is under mechanical pressure. This test is designed to allow comparison of absorbent materials such as nonwovens and is not intended to simulate in-use conditions of finished products.</p>	<p>Scope:</p> <p>This part of ISO 9073 describes a method for the evaluation of the absorbency of fabrics when one side is in contact with a liquid and the fabric is under mechanical pressure. This test is designed to allow comparison of absorbent materials such as nonwovens and is not intended to simulate in-use conditions of finished products.</p>
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ICS 59.080.30

Võtmesõnad:

English version

Textiles

Test methods for nonwovens

Part 12: Demand absorbency

(ISO 9073-12:2002)

Textiles – Méthodes d'essai pour
nontissés – Partie 12: Absorption par
contact unifacial (ISO 9073-12:2002)

Textilien – Prüfverfahren für Vlies-
stoffe – Teil 12: der Saugfähigkeit
(ISO 9073-12:2002)

This European Standard was approved by CEN on 2004-12-21.

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre 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 Management Centre 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

Management Centre: 36, rue de Stassart, B-1050 Brussels

Foreword

International Standard

ISO 9073-12:2002 Textiles – Test methods for nonwovens – Part 12: Demand absorbency, 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’, the Secretariat of which is held by BSI, 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 June 2005 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, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 9073-12:2002 was approved by CEN as a European Standard without any modification.

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1 Scope

This part of ISO 9073 describes a method for the evaluation of the absorbency of fabrics when one side is in contact with a liquid and the fabric is under mechanical pressure.

This test is designed to allow comparison of absorbent materials such as nonwovens and is not intended to simulate in-use conditions of finished products.

NOTE Demand absorbency is also called demand wettability.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 9073. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 9073 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

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

ISO 3696:1987, *Water for analytical laboratory use — Specification and test methods*

3 Terms and definitions

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

3.1

maximum absorbed mass

A_f

mass of liquid absorbed, in grams, at time T_f , when the absorbed mass variation in the previous 5 s time period is lower than 1 % of the absorbed mass corresponding to T_f

3.2

demand absorbency capacity

DAC

maximum absorbed mass of liquid, A_f , divided by the mass of the test piece, m , expressed in grams per gram

3.3

maximum absorption rate

MAR

maximum change in liquid absorbed mass per time interval, expressed in grams per second