



**SLOVENSKI STANDARD**  
**SIST EN ISO 9073-9:1999**

**01-marec-1999**

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**Tekstilije - Metode preskušanja vlaknovin - 9. del: Ugotavljanje togosti na podlagi koeficienta zastira (ISO 9073-9:1995)**

Textiles - Test methods for nonwovens - Part 9: Determination of drape coefficient (ISO 9073-9:1995)

Textilien - Prüfverfahren für Vliesstoffe - Teil 9: Bestimmung des Fallkoeffizienten (ISO 9073-9:1995)

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Textiles - Méthodes d'essai pour nontissés - Partie 9: Détermination du coefficient de drapé (ISO 9073-9:1995)

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**Ta slovenski standard je istoveten z: EN ISO 9073-9:1998**

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**ICS:**

59.080.30

Tkanine

Textile fabrics

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**en**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

EN ISO 9073-9

July 1998

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Descriptors: see ISO document

English version

## Textiles - Test methods for nonwovens - Part 9: Determination of drape coefficient (ISO 9073-9:1995)

Textiles - Méthodes d'essai pour nontissés - Partie 9:  
Détermination du coefficient de drapé (ISO 9073-9:1995)

Textilien - Prüfverfahren für Vliesstoffe - Teil 9:  
Bestimmung des Fallkoeffizienten (ISO 9073-9:1995)

This European Standard was approved by CEN on 1 July 1998.

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.

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CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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

Page 2  
EN ISO 9073-9:1998

### 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 "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 January 1999, and conflicting national standards shall be withdrawn at the latest by January 1999.

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.

### Endorsement notice

The text of the International Standard ISO 9073-9:1998 has been 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 20139	1992
ISO 186	1994	Paper and board – Sampling to determine average quality	EN ISO 186	1996
ISO 9073-1	1989	Textiles – Test methods for nonwovens – Part 1: Determination of mass per unit area	EN 20973-1	1992

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INTERNATIONAL  
STANDARD

**ISO**  
**9073-9**

First edition  
1995-12-15

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**Textiles — Test methods for  
nonwovens —**

**Part 9:**

**Determination of drape coefficient  
(standards.iteh.ai)**

*Textiles — Méthodes d'essai pour nontissés —*

*Partie 9. Détermination du coefficient de drapé*



Reference number  
ISO 9073-9:1995(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 9073-9 was prepared by Technical Committee ISO/TC 38, *Textiles*.

ISO 9073 consists of the following parts under the general title *Textiles* — *Test methods for nonwovens*:

- Part 1: *Determination of mass per unit area*
- Part 2: *Determination of thickness*
- Part 3: *Determination of tensile strength and elongation*
- Part 4: *Determination of tear resistance*
- Part 7: *Determination of bending length*
- Part 8: *Determination of liquid strike-through time (simulated urine)*
- Part 9: *Determination of drape coefficient*

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# Textiles — Test methods for nonwovens —

## Part 9: Determination of drape coefficient

### 1 Scope

This part of ISO 9073 specifies a method for determining the drape coefficient of nonwovens.

NOTE 1 This International Standard describes a test method specific to nonwovens. Other International Standards applicable to textile, paper, plastics, rubber or other materials can also be applied to test certain nonwoven characteristics.

### 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*.

ISO 9073-1:1989, *Textiles — Test methods for nonwovens — Part 1: Determination of mass per unit area*.

### 3 Definition

For the purposes of this part of ISO 9073, the following definition applies.

**3.1 drape:** Ability of a circular sample of a fabric to deform when suspended under specified conditions.

### 4 Principle

A circular piece of the nonwoven under test is held horizontally between smaller concentric discs, and the exterior ring of nonwoven is allowed to drape into folds around the lower supporting disc. The shadow of the draped test piece is cast from below onto a ring of paper of known mass and of the same size as the unsupported part of the test piece. The outline of the shadow is traced onto the ring of paper, the paper is then cut along the trace of the shadow and the mass of the inner part representing the shadow is determined. The drape coefficient is the mass of that part of the paper ring representing the shadow expressed as a percentage of the mass of the whole paper ring.

### 5 Apparatus

**5.1 Test equipment**, comprising a box-like apparatus with translucent lid, containing

**5.1.1 two horizontal discs**, of diameter 18 cm, between which the test piece is held, the lower disc having a central locating pin;

**5.1.2 point source of light**, positioned centrally beneath the discs and at the focus of a concave parabolic mirror which reflects parallel light vertically past the discs onto the lid of the instrument;