



SLOVENSKI STANDARD SIST EN ISO 9073-10:2005

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Tekstilije - Metode preskušanja vlaknovin - 10. del: Nastanek vlaknatih in drugih delcev v suhem stanju (ISO 9073-10:2003)

Textiles - Test methods for nonwovens - Part 10: Lint and other particles generation in the dry state (ISO 9073-10:2003)

Textilien - Prüfverfahren für Vliesstoffe - Teil 10: Analyse von Faserfragmenten und anderen Partikeln im trockenen Zustand (ISO 9073-10:2003)

Textiles - Méthodes d'essai pour nontissés - Partie 10: Relargage de peluches et autres particules a l'état sec (ISO 9073-10:2003)

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59.080.30 Tkanine Textile fabrics

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EUROPEAN STANDARD
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EUROPÄISCHE NORM

EN ISO 9073-10

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English version

Textiles - Test methods for nonwovens - Part 10: Lint and other particles generation in the dry state (ISO 9073-10:2003)

Textiles - Méthodes d'essai pour nontissés - Partie 10:
Relargage de peluches et autres particules à l'état sec (ISO
9073-10:2003)

Textilien - Prüfverfahren für Vliesstoffe - Teil 10: Analyse
von Faserfragmenten und anderen Partikeln im trockenen
Zustand (ISO 9073-10:2003)

This European Standard was approved by CEN on 21 December 2004.

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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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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

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

EN ISO 9073-10:2004 (E)**Foreword**

The text of ISO 9073-10:2003 has been prepared by Technical Committee ISO/TC 38 "Textiles" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 9073-10:2004 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 June 2005, and conflicting national standards shall be withdrawn at the latest by June 2005.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Endorsement notice

The text of ISO 9073-10:2003 has been approved by CEN as EN ISO 9073-10:2004 without any modifications.

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INTERNATIONAL
STANDARD

ISO
9073-10

First edition
2003-05-15

**Textiles — Test methods for
nonwovens —**

**Part 10:
Lint and other particles generation in the
dry state**

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*Textiles — Méthodes d'essai pour nontissés —
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Partie 10: Relargage de peluches et autres particules à l'état sec

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Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	1
5 Apparatus	2
6 Procedure	5
7 Calculation	6
8 Test report	7
Annex A (informative) General information regarding reproducibility	8
Annex B (informative) Worked example — Total linting — Sample X	9

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ISO 9073-10:2003(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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 9073-10 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 6: Absorption*
- *Part 7: Determination of bending length*
- *Part 8: Determination of liquid strike-through time (simulated urine)*
- *Part 9: Determination of drape coefficient*
- *Part 10: Lint and other particles generation in the dry state*
- *Part 11: Run-off*
- *Part 12: Demand absorbency*

Textiles — Test methods for nonwovens —

Part 10:

Lint and other particles generation in the dry state

1 Scope

This part of ISO 9073 specifies a test method for measuring the linting of nonwovens in the dry state. It can also be applied to other textile materials.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 554, *Standard atmospheres for conditioning and/or testing — Specifications*

ISO 14644-1, *Cleanrooms and associated controlled environments — Part 1: Classification or air cleanliness*

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3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

lint

fibre fragments released during handling

3.2

linting

release of lint and other particles during handling

3.3

coefficient of linting

log of the particle count applied to all or to a part of the measurement channels

4 Principle

This procedure describes a modified Gelbo Flex method in which the sample is subjected to a combined twisting and compression action in a test chamber. During the flexing, air is withdrawn from the chamber and particulates in the air stream are counted and classified in a particle counter. Depending on the choice of counter, the size ranges can fall within the limits of 0,3 µm or 0,5 µm to 25 µm.

See Annex A for general information on reproducibility.