

Irish Standard I.S. EN ISO 12947-3:1999

Textiles - Determination of the abrasion resistance of fabrics by the Martindale method - Part 3: Determination of mass loss (ISO 12947-3:1998)

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EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN ISO 12947-3:1998/AC

April 2006 Avril 2006 April 2006

ICS 59.080.30

English version Version Française Deutsche Fassung

Textiles - Determination of the abrasion resistance of fabrics by the Martindale method - Part 3: Determination of mass loss (ISO 12947-3:1998/Cor.1:2002)

Textiles - Détermination de la résistance à l'abrasion des étoffes par la méthode Martindale - Partie 3: Détermination de la perte de masse (ISO 12947-3:1998/Cor.1:2002)

Textilien - Bestimmung der Scheuerbeständigkeit von textilen Flächengebilden - Martindale-Verfahren -Teil 3: Bestimmung der Masseverlustes (ISO 12947-3:1998/Cor.1:2002)

This corrigendum becomes effective on 19 April 2006 for incorporation in the three official language versions of the EN.

Ce corrigendum prendra effet le 19 avril 2006 pour incorporation dans les trois versions linguistiques officielles de la EN.

Die Berichtigung tritt am 19.April 2006 zur Einarbeitung in die drei offiziellen Sprachfassungen der EN in Kraft.



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

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

I.S. EN ISO 12947-3:1999

EN ISO 12947-3:1998/AC:2006 (E/F)

English version

Endorsement Notice

The text of ISO 12947-3:1998/Cor.1:2002 has been approved by CEN as EN ISO 12947-3:1998/AC:2006 without any modifications.

Version française

Notice d'entérinement

Le texte de l'ISO 12947-3:1998/Cor.1:2002 a été approuvé par le CEN comme EN ISO 12947-3:1998/AC:2006 sans aucune modification.



I.S. EN ISO 12947-3:1999 INTERNATIONAL STANDARD ISO 12947-3:1998 TECHNICAL CORRIGENDUM 1

Published 2002-11-01

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Textiles — Determination of the abrasion resistance of fabrics by the Martindale method —

Part 3:

Determination of mass loss

TECHNICAL CORRIGENDUM 1

Textiles — Détermination de la résistance à l'abrasion des étoffes par la méthode Martindale —

Partie 3: Détermination de la perte de masse

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to ISO 12947-3:1998 was prepared by Technical Committee ISO/TC 38, Textiles.

Page 2

6 Conditioning and testing atmosphere, new text to read:

A standard temperate atmosphere for conditioning and testing textiles shall be used, i.e. a temperature of (20 ± 2) °C and a relative humidity of (65 ± 2) % as defined in ISO 139.

Page 3

7.4.1: change dimension 38 $^{+5}_{0}$ to 38,0 $^{+0.5}_{0}$

7.4.4: change dimension 38 $^{+5}_{0}$ to 38,0 $^{+0,5}_{0}$

Page 6

A.2, paragraph 2, line 3:

change dimension 38 $^{+0,5}_{0}$ to 38,0 $^{+0,5}_{0}$

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EUROPEAN STANDARD NORME EUROPÉENNE

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Descriptors: see ISO document

English version

Textiles - Determination of the abrasion resistance of fabrics by the Martindale method - Part 3: Determination of mass loss (ISO 12947-3:1998)

Textiles - Détermination de la résistance à l'abrasion des étoffes par la méthode Martindale - Partie 3: Détermination de la perte de masse (ISO 12947-3:1998) Textilien - Bestimmung der Scheuerbeständigkeit von textilen Flächengebilden - Martindale-Verfahren - Teil 3: Bestimmung der Masseverlustes (ISO 12947-3:1998)

This European Standard was approved by CEN on 15 December 1998.

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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

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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 12947-3:1998

Foreword

The text of the International Standard ISO 12947-3:1998 has been prepared by Technical Committee ISO/TC 38 "Textiles" in collaboration with 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 1999, and conflicting national standards shall be withdrawn at the latest by June 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.

NOTE FROM CEN/CS: The foreword is susceptible to be amended on reception of the German language version. The confirmed or amended foreword, and when appropriate, the normative annex ZA for the references to international publications with their relevant European publications will be circulated with the German version.

Endorsement notice

The text of the International Standard ISO 12947-3:1998 was approved by CEN as a European Standard without any modification.

I.S. EN ISO 12947-3:1999

INTERNATIONAL STANDARD

ISO 12947-3

First edition 1998-12-15

Textiles — Determination of the abrasion resistance of fabrics by the Martindale method —

Part 3:

Determination of mass loss

Textiles — Détermination de la résistance à l'abrasion des étoffes par la méthode Martindale —

Partie 3: Détermination de la perte de masse



ISO 12947-3:1998(E)

Contents	Page
1 Scope	1
2 Normative references	1
3 Definitions	1
4 Principle	1
5 Apparatus and materials	2
6 Conditioning and testing atmosphere	
7 Sampling and preparation of test specimens	
8 Abrasion test procedure	
9 Results	5
10 Test report	5
Annex A (normative) Specimen preparation for specific fabrics	6
Ribliography	0

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ISO 12947-3:1998(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 3.

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 12947-3 was prepared by Technical Committee ISO/TC 38, Textiles.

ISO 12947 consists of the following parts under the general title *Textiles* — *Determination of the abrasion resistance* of fabrics by the Martindale method:

- Part 1: Martindale abrasion testing apparatus
- Part 2: Determination of specimen breakdown
- Part 3: Determination of mass loss
- Part 4: Assessment of appearance change

Annex A forms an integral part of this part of ISO 12947.

I.S. EN ISO 12947-3:1999

Textiles — Determination of the abrasion resistance of fabrics by the Martindale method —

Part 3:

Determination of mass loss

1 Scope

This part of ISO 12947 is applicable to the determination of the mass loss of specimens covering all textile fabrics including nonwovens apart from fabrics where the specifier indicates the end performance as having a low abrasion wear life.

NOTE Further introductory comments are given in ISO 12947-1.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 12947. 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 12947 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 105-A02:1993, Textiles — Tests for colour fastness — Part A02: Grey scale for assessing change in colour.

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

ISO 2859-1:—1), Sampling procedures for inspection by attributes — Part 1: Sampling plans indexed by acceptable quality level (AQL) for lot-by-lot inspection.

ISO 12947-1:1998, Textiles — Determination of the abrasion resistance of fabrics by the Martindale method — Part 1: Martindale abrasion testing apparatus.

ISO 12947-2:1998, Textiles — Determination of the abrasion resistance of fabrics by the Martindale method — Part 2: Determination of specimen breakdown.

3 Definitions

For the purposes of this part of ISO 12947 the definitions given in ISO 12947-1 and ISO 12947-2 apply.

4 Principle

A circular specimen is mounted in a specimen holder and, subjected to a defined load, is rubbed against an abrasive medium (standard fabric) in a translational movement tracing a Lissajous figure, the specimen holder being

1

¹⁾ To be published. (Revision of ISO 2859:1989)



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