

This document is a preview generated by EVS

Textiles - Determination of the abrasion resistance of fabrics by the Martindale method - Part 3: Determination of mass loss

Textiles - Determination of the abrasion resistance of fabrics by the Martindale method - Part 3: Determination of mass loss

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 12947-3:2001 sisaldab Euroopa standardi EN ISO 12947-3:1998 + AC:2006 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.06.2001 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 12947-3:2001 consists of the English text of the European standard EN ISO 12947-3:1998 + AC:2006.</p> <p>This document is endorsed on 18.06.2001 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>
--	---

<p>Käsitlusala: This part of the standard be 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. The total effective mass of the abrasion load are: 795 g for workwear, upholstery, bed linen and fabrics for technical use, and 595 g for apparel and household textiles, excluding upholstery and bed linen. The mass loss of the test specimen is determined for each of the established numbers of rubs according to the number of rubs at which specimen breakdown occurs.</p>	<p>Scope: This part of the standard be 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. The total effective mass of the abrasion load are: 795 g for workwear, upholstery, bed linen and fabrics for technical use, and 595 g for apparel and household textiles, excluding upholstery and bed linen. The mass loss of the test specimen is determined for each of the established numbers of rubs according to the number of rubs at which specimen breakdown occurs.</p>
--	--

ICS 59.080.30

Võtmesõnad: abrasion resistance, abrasion tests, determination, fabrics, tests, textiles

ICS 59.080.30

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 mit dem Martindale-Verfahren – Teil 3: Bestimmung des Masseverlustes (ISO 12947-3 : 1998)

This European Standard was approved by CEN on 1998-12-15.

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.

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 Central Secretariat has the same status as the official versions.

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

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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

Contents

	Page		Page
Foreword	2	8 Abrasion test procedure	6
1 Scope	3	9 Results	7
2 Normative references	3	10 Test report	7
3 Definitions	3	Annex A (normative) Specimen preparation for specific fabrics	8
4 Principle	3	Bibliography	10
5 Apparatus and materials	4	Annex ZA (normative) Normative references to international publications with their relevant European publica- tions	10
6 Conditioning and testing atmosphere	4		
7 Sampling and preparation of test specimens	4		

Foreword

International Standard

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

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 1999 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, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

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

NOTE: Normative references to international publications are listed in Annex ZA (normative).

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