



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN ISO 12947-4:1999

ICS 59.080.30

**TEXTILES - DETERMINATION OF THE  
ABRASION RESISTANCE OF FABRICS BY  
THE MARTINDALE METHOD - PART 4:  
ASSESSMENT OF APPEARANCE CHANGE  
ISO 12947-4:1998)**

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*This Irish Standard was  
published under the  
authority of the National  
Standards Authority of  
Ireland  
and comes into effect on:  
May 21, 1999*

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 12947-4**

December 1998

ICS 59.080.30

Descriptors: see ISO document

English version

**Textiles - Determination of the abrasion resistance of fabrics by  
the Martindale method - Part 4: Assessment of appearance  
change (ISO 12947-4:1998)**

Textiles - Détermination de la résistance à l'abrasion des  
étoffes par la méthode Martindale - Partie 4: Evaluation du  
changement d'aspect (ISO 12947-4:1998)

Textilien - Bestimmung der Scheuerbeständigkeit von  
textilen Flächengebilden - Martindale-Verfahren - Teil 4:  
Beurteilung der Oberflächenveränderung (ISO 12947-  
4:1995)

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## Foreword

The text of the International Standard ISO 12947-4:1998 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of an identical text or by endorsement, at the latest by June 1999, and conflicting national standards shall be withdrawn at the latest by June 1999.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 12947-4:1998 was approved by CEN as a European Standard without any modification.

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**Corrected 1999-02-04**

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NOTE: Normative references to International Standards are listed in annex ZA (normative).

**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 105-A02	1993	Textiles - Tests for colour fastness - Part A02: Grey scale for assessing change in colour	EN 20105-A02	1994
ISO 139	1973	Textiles - Standard atmospheres for conditioning and testing	EN 20139	1992
ISO 12947-1	1998	Textiles - Determination of the abrasion resistance of fabrics by the Martindale method - Part 1: Martindale abrasion testing apparatus	EN ISO 12947-1	1998

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