

INTERNATIONAL ISO  
STANDARD

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

### **Part 1: Martindale abrasion testing apparatus**

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

*Partie 1: Appareil d'essai d'abrasion Martindale*



Reference number  
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International Organization for Standardization  
Case postale 56 • CH-1211 Genève 20 • Switzerland  
Internet iso@iso.ch

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## 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 12947-1 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*

Annexes A and B form an integral part of this part of ISO 12947.

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## Introduction

The choice of method of abrasion testing is established before the start of the testing and recorded in the test report, since the results of the different methods cannot be compared with each other.

The determination of resistance to pilling of fabrics using the Martindale apparatus is given in ISO 12945, *Textiles — Determination of the resistance to pilling and change of appearance of fabrics*, parts 1, 2 and 3<sup>1)</sup>.

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1) These three parts of International Standard ISO 12945 are yet to be published.