

**Leather - Determination of abrasion resistance - Part 2:
Martindale ball plate method (ISO 17076-2:2011)**

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NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 17076-2:2011 sisaldab Euroopa standardi EN ISO 17076-2:2011 ingliskeelset teksti.

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English Version

Leather - Determination of abrasion resistance - Part 2:
Martindale ball plate method (ISO 17076-2:2011)

Cuir - Détermination de la résistance à l'abrasion - Partie 2:
Méthode Martindale avec plateau à billes (ISO 17076-
2:2011)

Leder - Bestimmung des Abriebwiderstandes - Teil 2:
Martindale-Kugelplatte-Verfahren (ISO 17076-2:2011)

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Foreword

This document (EN ISO 17076-2:2011) has been prepared by Technical Committee CEN/TC 289 "Leather", the secretariat of which is held by UNI, in collaboration with the IULTCS "International Union of Leather Technologists and Chemists Societies".

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of an identical text or by endorsement, at the latest by December 2011, and conflicting national standards shall be withdrawn at the latest by December 2011.

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Leather — Determination of abrasion resistance —

Part 2: Martindale ball plate method

1 Scope

This part of ISO 17076 specifies a method of determining the abrasion resistance of upholstery leather for different applications using Martindale apparatus with a ball plate. The method is applicable to semi-aniline, pigmented and coated leather.

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 2419, *Leather — Physical and mechanical tests — Sample preparation and conditioning*

ISO 11641, *Leather — Tests for colour fastness — Colour fastness to perspiration*

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

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

3 Principle

The procedure is based on the method described in ISO 12947-4 and modified to use a ball plate underneath the specimen to better simulate day-to-day use.

4 Apparatus and materials

- 4.1 **Martindale abrasion testing apparatus and materials**, in accordance with ISO 12947-1.
- 4.2 **Abrasion holder**, diameter 38 mm, in accordance with ISO 12947-1.
- 4.3 **Loading piece**, with a mass of (795 ± 7) g (pressure of 12 kPa) in accordance with ISO 12947-1.
- 4.4 **Mounting weight**, with a mass of $(2,5 \pm 0,5)$ kg, diameter of (120 ± 10) mm in accordance with ISO 12947-1.
- 4.5 **Abrading fabric**, in accordance with ISO 12947-1, diameter 38 mm.