



Institut luxembourgeois de la normalisation
de l'accréditation, de la sécurité et qualité
des produits et services

ILNAS-EN ISO 3378:2002

Leather - Physical and mechanical tests - Determination of resistance to grain cracking and grain crack index (ISO 3378:2002)

Cuir - Essais physiques et mécaniques -
Détermination de la résistance à la
gerçure de la fleur et indice de gerçure
(ISO 3378:2002)

Leder - Physikalische und mechanische
Prüfungen - Bestimmung des
Widerstandes gegen Narbenplatzen und
des Narbenbruchindex (ISO 3378:2002)

12/2002



National Foreword

This European Standard EN ISO 3378:2002 was adopted as Luxembourgish Standard ILNAS-EN ISO 3378:2002.

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EUROPEAN STANDARD ^{ILNAS-EN ISO 3378:2002} **EN ISO 3378**
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EUROPÄISCHE NORM

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English version

**Leather - Physical and mechanical tests - Determination of
resistance to grain cracking and grain crack index (ISO
3378:2002)**

Cuir - Essais physiques et mécaniques - Détermination de
la résistance à la gerçure de la fleur et indice de gerçure
(ISO 3378:2002)

Leder - Physikalische und mechanische Prüfungen -
Bestimmung des Widerstandes gegen Narbenplatzen und
des Narbenbruchindex (ISO 3378:2002)

This European Standard was approved by CEN on 9 September 2002.

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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 Management Centre has the same status as the official versions.

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

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

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Foreword

This document (EN ISO 3378:2002) has been prepared by Technical Committee CEN/TC 289 "Leather", the secretariat of which is held by UNI, in collaboration with the International Union of Leather Technologists and Chemists Societies (IULTCS).

It is based on Method IUP 12 of the 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 June 2003, and conflicting national standards shall be withdrawn at the latest by June 2003.

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, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of ISO 3378:2002 has been approved by CEN as EN ISO 3378:2002 without any modifications.

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 (including amendments).

NOTE Where an International Publication has been modified by common modifications, indicated by (mod.), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 2418	2002	Leather - Chemical, physical and mechanical and fastness tests - Sampling location	EN ISO 2418	2002
ISO 2419	2002	Leather - Physical and mechanical tests - Sample preparation and conditioning	EN ISO 2419	2002
ISO 2589	2002	Leather - Physical and mechanical tests - Determination of thickness	EN ISO 2589	2002