



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN ISO 2039-1:2003

ICS 83.080.01

**PLASTICS — DETERMINATION OF
HARDNESS — PART 1:
BALL INDENTATION METHOD
(ISO 2039-1:2001)**

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EUROPEAN STANDARD
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Supersedes EN ISO 2039-1:1996

English version

**Plastics - Determination of hardness - Part 1: Ball indentation
method (ISO 2039-1:2001)**

Plastiques - Détermination de la dureté - Partie 1: Méthode
de pénétration à la bille (ISO 2039-1:2001)

Kunststoffe - Bestimmung der Härte - Teil 1:
Kugeleindruckversuch (ISO 2039-1:2001)

This European Standard was approved by CEN on 12 December 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
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Foreword

The text of ISO 2039-1:2001 has been prepared by Technical Committee ISO/TC 61 "Plastics" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 2039-1:2003 by Technical Committee CEN/TC 249 "Plastics", the secretariat of which is held by IBN.

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of an identical text or by endorsement, at the latest by August 2003, and conflicting national standards shall be withdrawn at the latest by August 2003.

This document supersedes EN ISO 2039-1:1996.

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, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of ISO 2039-1:2001 has been approved by CEN as EN ISO 2039-1:2003 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.

| Publication | Year | Title | EN | Year |
|-------------|------|--|------------|------|
| ISO 291 | 1997 | Plastics - Standard atmospheres for conditioning and testing | EN ISO 291 | 1997 |

INTERNATIONAL STANDARD

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Plastics — Determination of hardness — Part 1: Ball indentation method

*Plastiques — Détermination de la dureté —
Partie 1: Méthode de pénétration à la bille*



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