

DIN EN ISO 2439



ICS 83.100

Supersedes
DIN EN ISO 2439:2001-02

**Flexible cellular polymeric materials –
Determination of hardness (indentation technique) (ISO 2439:2008)
English version of DIN EN ISO 2439:2009-05**

Weich-elastische polymere Schaumstoffe –
Bestimmung der Härte (Eindruckverfahren) (ISO 2439:2008)
Englische Fassung DIN EN ISO 2439:2009-05

Document comprises 19 pages



National foreword

This standard has been prepared by Technical Committee ISO/TC 45 “Rubber and rubber products”, Subcommittee SC 4 “Products (other than hoses)” (Secretariat: DSM, Malaysia) in collaboration with Technical Committee CEN/TC 249 “Plastics” (Secretariat: NBN, Belgium).

The responsible German body involved in its preparation was the *Normenausschuss Materialprüfung* (Materials Testing Standards Committee), Technical Committee NA 062-04-37 AA *Prüfung weich-elastischer Schaumstoffe*.

In the original version of ISO 2439:2008, subclause 7.7.3.2, the definition “Area 0abe0 is the area under the curve 0ab (see Figure 1)” is wrong and has been corrected in this standard to read: “Area 0abe0 is the area contained within the hysteresis curve 0abe0 (see Figure 1)”.

The DIN Standards corresponding to the International Standards referred to in this document are as follows:

ISO 7500-1	DIN EN ISO 7500-1
ISO 23529	DIN ISO 23529

Amendments

This standard differs from DIN EN ISO 2439:2001-02 as follows:

- a) The scope has been extended to cover five methods.
- b) Figure 1 has been included to illustrate the force-indentation curve.
- c) Two informative annexes have been included.

Previous editions

DIN 53576: 1963-05, 1976-01, 1984-01
DIN EN ISO 2439: 2001-02

National Annex NA (informative)

Bibliography

DIN EN ISO 7500-1, *Metallic materials — Verification of static uniaxial testing machines — Part 1: Tension/compression testing machines — Verification and calibration of the force-measuring system*

DIN ISO 23529, *Rubber — General procedures for preparing and conditioning test pieces for physical test methods*

English Version

Flexible cellular polymeric materials - Determination of hardness
(indentation technique) (ISO 2439:2008)

Matériaux polymères alvéolaires souples - Détermination
de la dureté (technique par indentation) (ISO 2439:2008)

Weich-elastische polymere Schaumstoffe - Bestimmung
der Härte (Eindruckverfahren) (ISO 2439:2008)

This European Standard was approved by CEN on 19 November 2008.

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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 CEN Management Centre has the same status as the official versions.

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