Flexibilné l'ahčené polymérne materiály Stanovenie trvalej deformácie v tlaku (ISO 1856: 2018) STN EN ISO 1856

Flexible cellular polymeric materials - Determination of compression set (ISO 1856:2018)

Táto norma obsahuje anglickú verziu európskej normy. This standard includes the English version of the European Standard.

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STN EN ISO 1856: 2019

EN ISO 1856:2018 (E)

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EN ISO 1856:2018 (E)

European foreword

This document (EN ISO 1856:2018) has been prepared by Technical Committee ISO/TC 45 "Rubber and rubber products" in collaboration with Technical Committee CEN/TC 249 "Plastics" the secretariat of which is held by NBN.

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of an identical text or by endorsement, at the latest by February 2019, and conflicting national standards shall be withdrawn at the latest by February 2019.

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The text of ISO 1856:2018 has been approved by CEN as EN ISO 1856:2018 without any modification.

INTERNATIONAL STANDARD

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Fourth edition 2018-06

Flexible cellular polymeric materials — Determination of compression set

Matériaux polymères alvéolaires souples — Détermination de la déformation rémanente après compression



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ISO 1856:2018(E)

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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 4, *Products other than hoses*.

This fourth edition cancels and replaces the third edition (ISO 1856:2000), which has been technically revised. It also incorporates the Amendment ISO 1856:2000/Amd.1:2007.

The main changes compared to the previous edition are as follows:

- an additional normative reference has been added:
- in <u>6.1</u>, an additional requirement for the test pieces has been added;
- in 6.4, conditioning of the test pieces has been amended:
- temperature tolerance for method A and B has been added.

Flexible cellular polymeric materials — Determination of compression set

WARNING — Persons using this document should be familiar with normal laboratory practice. This document does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health.

1 Scope

This document specifies three methods for determining the compression set of flexible cellular materials.

This document applies to latex and polyurethane foams of thickness greater than 2 mm.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1923, Cellular plastics and rubbers — Determination of linear dimensions

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

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