

**Elastsed poorsed polümeersed materjalid -
Survekahanemise määramine**

Flexible cellular polymeric materials - Determination
of compression set

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 1856:2001 sisaldab Euroopa standardi EN ISO 1856:2000 ingliskeelset teksti. Käesolev dokument on jõustatud 04.04.2001 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN ISO 1856:2001 consists of the English text of the European standard EN ISO 1856:2000. This document is endorsed on 04.04.2001 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.
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Käsitlusala: Käesolev rahvusvaheline standard määrab kindlaks kolm meetodit elastsete poorsete polümeersete materjalide survekahanemise määramiseks. Praegu kehtib see rahvusvaheline standard vaid lateksi ja vahtpolüuretaani kohta, mille paksus on üle 2 mm. Meetodid teiste materjalide kohta lisatakse nõudmise korral.	Scope:
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ICS 83.100

Võtmesõnad: poormaterjalid, poorplastid, survekahanemine, surveteimid, vahtkummi

English version

Flexible cellular polymeric materials

Determination of compression set
(ISO 1856 : 2000)

Matériaux polymères alvéolaires
souples – Détermination de la défor-
mation rémanente après compression
(ISO 1856 : 2000)

Weich-elastische polymere
Schaumstoffe – Bestimmung des
Druckverformungsrestes
(ISO 1856 : 2000)

This European Standard was approved by CEN on 2000-11-01.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

Foreword

International Standard

ISO 1856 : 2000 Flexible cellular polymeric materials – Determination of compression set, which was prepared by ISO/TC 45 ‘Rubber and rubber products’ of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 249 ‘Plastics’, the Secretariat of which is held by IBN, as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by May 2001 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 1856 : 2000 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to international publications are listed in Annex ZA (normative).

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WARNING — Persons using this International Standard should be familiar with normal laboratory practice. This standard 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 practices and to ensure compliance with any national regulatory conditions.

1 Scope

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

At present, this International Standard applies only to latex and polyurethane foams of thickness greater than 2 mm. Methods for other materials will be added as required.

2 Normative reference

The following normative document contains provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, this publication do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the normative document indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 1923:1981, *Cellular plastics and rubbers — Determination of linear dimensions*.

3 Term and definition

For the purposes of this International Standard, the following term and definition apply.

3.1

compression set

the difference between the initial thickness and the final thickness of a test piece of the cellular material after compression for a given time at a given temperature and after a given recovery time, the difference being referred to the initial thickness

4 Principle

A test piece is maintained for a specified time at a specified temperature under constant deflection and the effect on the thickness of the test piece noted after release.