

## Poorplastid ja -kummid. Näivtiheduse määramine

Cellular plastics and rubbers - Determination of apparent density

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## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 845:2010 sisaldab Euroopa standardi EN ISO 845:2009 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 28.02.2010 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 24.06.2009.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN ISO 845:2010 consists of the English text of the European standard EN ISO 845:2009.

This standard is ratified with the order of Estonian Centre for Standardisation dated 28.02.2010 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

Date of Availability of the European standard text 24.06.2009.

The standard is available from Estonian standardisation organisation.

ICS 83.100

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English Version

**Cellular plastics and rubbers - Determination of apparent density  
(ISO 845:2006)**Caoutchoucs et plastiques alvéolaires - Détermination de la  
masse volumique apparente (ISO 845:2006)Schaumstoffe aus Kautschuk und Kunststoffen -  
Bestimmung der Rohdichte (ISO 845:2006)

This European Standard was approved by CEN on 30 May 2009.

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## Foreword

The text of ISO 845:2006 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 845:2009 by 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of an identical text or by endorsement, at the latest by December 2009, and conflicting national standards shall be withdrawn at the latest by December 2009.

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### Endorsement notice

The text of ISO 845:2006 has been approved by CEN as a EN ISO 845:2009 without any modification.

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# Cellular plastics and rubbers — Determination of apparent density

## 1 Scope

This International Standard specifies a method for determining the apparent overall density and the apparent core density of cellular plastics and rubbers.

If the material to be tested includes skins formed during a moulding/extrusion, the apparent overall density or the apparent core density, or both, can be determined. If the material does not have skins formed during moulding, the term "overall density" is not applicable.

For shaped materials, a different method such as buoyancy method may be used.

## 2 Normative references

The following referenced documents are indispensable for the application 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 291, *Plastics — Standard atmospheres for conditioning and testing*

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

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

### 3.1

#### **apparent overall density**

⟨cellular material⟩ mass per unit volume of a sample, including all skins formed during moulding

### 3.2

#### **apparent core density**

⟨cellular material⟩ mass per unit sample after all skins formed during moulding have been removed

## 4 Apparatus

Ordinary laboratory apparatus and the following.

**4.1 Balance**, capable of determining the mass of a test specimen to an accuracy of 0,1 %.

**4.2 Measuring instruments**, in accordance with ISO 1923.