

## **Extruded sheets of polyethylen (PE-HD) - Requirements and test methods**

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Requirements and test methods

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 14632:2001 sisaldab Euroopa standardi EN ISO 14632:1998 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.06.2001 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 14632:2001 consists of the English text of the European standard EN ISO 14632:1998.</p> <p>This document is endorsed on 18.06.2001 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b></p> <p>This standard specifies the requirements and test methods for solid flat extruded sheets of polyethylene (PE-HD) without fillers or reinforced materials. This standard applies only to thicknesses of 0,5 mm to 40 mm. This standard also applies to PE - HD sheet in rolled form.</p>	<p><b>Scope:</b></p> <p>This standard specifies the requirements and test methods for solid flat extruded sheets of polyethylene (PE-HD) without fillers or reinforced materials. This standard applies only to thicknesses of 0,5 mm to 40 mm. This standard also applies to PE - HD sheet in rolled form.</p>
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**ICS** 83.140.10

**Võtmesõnad:** delivery condition, designation, dimensional tolerances, dimensions, extruded products, marking, mechanical properties, plastics, plates, polyethylene, tests, thermal properties

**English version**

**Extruded sheets of polyethylene (PE-HD)**

Requirements and test methods  
(ISO 14632 : 1998)

Plaques extrudées en polyéthylène  
(PE-HD) – Prescriptions et méthodes  
d'essai (ISO 14632 : 1998)

Extrudierte Tafeln aus Polyethylen  
(PE-HD) – Anforderungen und  
Prüfverfahren (ISO 14632 : 1998)

This European Standard was approved by CEN on 1998-10-02.

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 14632 : 1998 Extruded sheets of polyethylene (PE-HD) – Requirements and test methods, which was prepared by ISO/TC 61 'Plastics' 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 June 1999 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 14632 : 1998 was approved by CEN as a European Standard without any modification.

## 1 Scope

This standard specifies the requirements and test methods for solid flat extruded sheets of polyethylene homopolymers (PE - HD) without fillers or reinforcing materials. This standard applies only to thicknesses of 0,5 mm to 40 mm. This standard also applies to PE - HD sheet in rolled form.

## 2 Normative references

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.

EN ISO 179	Plastics - Determination of Charpy impact strength (ISO 179:1993)
EN ISO 291	Plastics - Standard atmospheres for conditioning and testing (ISO 291:1997)
EN ISO 527- 1	Plastics - Determination of tensile properties Part 1: General principles (ISO 527-1:1993 including Corr 1:1994)
EN ISO 527-2	Plastics - Determination of tensile properties Part 2: Test conditions for moulding and extrusion plastics (ISO 527-2:1993 including Corr 1:1994)
ISO 1 133	Plastics - Determination of the melt mass - flow rate (MFR) and the melt volume - flow rate (MVR) of thermoplastics
ISO 1 183	Plastics - Methods for determining the density and relative density of non - cellular plastics
ISO 1 872-1	Plastics - Polyethylene (PE) moulding and extrusion materials Part 1: Designation system and basis for specifications
EN ISO 2 818	Plastics - Preparation of test specimens by machining (ISO 2818:1994)
ISO/ TR 9 080	Thermoplastics pipes for the transport of fluids - Methods of extrapolation of hydrostatic stress rupture data to determine the long-term hydrostatic strength of thermoplastics pipe materials

## 3 Material

Sheets consist of PE extrusion compounds designated by ISO 1 872-1 without fillers or reinforcing materials. Extrusion compounds can contain additives such as processing aids, stabilisers, flame protective agents and colorants.

Compounds and additives of unknown identity shall not be used.

NOTE: Legal requirements can cause a specific choice of extrusion compounds (see 4.3.3).