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**Extruded sheets of polyethylene (PE-HD) —  
Requirements and test methods**

*Plaques extrudées en polyéthylène (PE-HD) — Prescriptions et méthodes  
d'essai*



## Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 14632 was prepared by the European Committee for Standardization (CEN) in collaboration with ISO Technical Committee TC 61, *Plastics*, Subcommittee SC 11, *Products*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

Throughout the text of this standard, read “.. this European Standard ...” to mean “... this International Standard ...”.

Annex A forms an integral part of this International Standard.

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The text of EN ISO 14632:1998 has been prepared by Technical Committee CEN/TC 249 "Plastics", the secretariat of which is held by IBN, in collaboration with Technical Committee ISO/TC 61 "Plastics".

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of an identical text or by endorsement, at the latest by June 1999, and conflicting national standards shall be withdrawn at the latest by June 1999.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Annex A is normative.

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## 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).