
Dc`ja Yfb]a UHf]U]!'Dc`YH]Ybg_]a UHf]U]nUcV]_cj Ub^]b`Y_glfi X]fUb^!'%'XY.
G]ghYa `cnbU Yj Ub^]b`dcX`U] YnUgdYWZ_U]Y`f]GC`% +&!%% - ' Ł

Plastics - Polyethylene (PE) moulding and extrusion materials - Part 1: Designation system and basis for specifications (ISO 1872-1:1993)

Kunststoffe - Polyethylen (PE)-Formmassen - Teil 1: Bezeichnungssystem und Basis für Spezifikationen (ISO 1872-1:1993)

Plastiques - Polyéthylène (PE) pour moulage et extrusion - Partie 1: Systeme de désignation et base de spécification (ISO 1872-1:1993)

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Ta slovenski standard je istoveten z: **EN ISO 1872-1:1999**

ICS:

83.080.20 Plastomeri Thermoplastic materials

SIST EN ISO 1872-1:2000 en

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English version

Plastics - Polyethylene (PE) moulding and extrusion materials -
Part 1: Designation system and basis for specifications (ISO
1872-1:1993)

Plastiques - Polyéthylène (PE) pour moulage et extrusion -
Partie 1: Système de désignation et base de spécification
(ISO 1872-1:1993)

Kunststoffe - Polyethylen (PE) Formmassen - Teil 1:
Bezeichnungssystem und Basis für Spezifikation (ISO
1872-1:1993)

This European Standard was approved by CEN on 16 April 1999.

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.

This European Standard exists 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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

Foreword

The text of the International Standard from Technical Committee ISO/TC 61 "Plastics" of the International Organization for Standardization (ISO) has been taken over as an European Standard by Technical Committee CEN/TC 249 "Plastics", the secretariat of which is held by IBN.

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 November 1999, and conflicting national standards shall be withdrawn at the latest by November 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.

Endorsement notice

The text of the International Standard ISO 1872-1:1993 has been approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).

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Annex ZA (normative)
Normative references to international publications
with their relevant European publications

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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 1043-1	1997	Plastics - Symbols and abbreviated terms - Part 1: Basic polymers and their special characteristics	EN ISO 1043-1	1999
ISO 1872-2	1997	Plastics - Polyethylene (PE) moulding and extrusion materials - Part 2: Preparation of test specimens and determination of properties	EN ISO 1872-2	1997
ISO 1133	1997	Plastics - Determination of the melt mass-flow rate (MFR) and the melt volume-flow rate (MVR) of thermoplastics	EN ISO 1133	1999

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INTERNATIONAL
STANDARD

ISO
1872-1

Second edition
1993-12-15

**Plastics — Polyethylene (PE) moulding and
extrusion materials —**

Part 1:

Designation system and basis for
specifications

SIST EN ISO 1872-1:2000

<https://standards.iteh.ai/catalog/standards/sist/070589-2020/264156-2021-7f652dd3d276/sist-en-iso-1872-1-2000>
*Plastiques — Polyéthylène (PE) pour moulage et extrusion —
Partie 1: Système de désignation et base de spécification*



Reference number
ISO 1872-1:1993(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.

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 1872-1 was prepared by Technical Committee ISO/TC 61, *Plastics*, Sub-Committee SC 9, *Thermoplastic materials*.

This second edition cancels and replaces the first edition (ISO 1872-1:1986), which has been brought into accordance with the revised frame text for designation standards.

ISO 1872 consists of the following parts, under the general title *Plastics — Polyethylene (PE) moulding and extrusion materials*:

- Part 1: *Designation system and basis for specifications*
- Part 2: *Preparation of test specimens and determination of properties*

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International Organization for Standardization
Case Postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

Plastics — Polyethylene (PE) moulding and extrusion materials —

Part 1:

Designation system and basis for specifications

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1 Scope

1.1 This part of ISO 1872 establishes a system of designation for polyethylene thermoplastic material, which may be used as the basis for specifications.

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1.2 The types of polyethylene plastic are differentiated from each other by a classification system based on appropriate levels of the designatory properties

a) density

b) melt mass-flow rate

and on information about the intended application and/or method of processing, important properties, additives, colorants, fillers and reinforcing materials.

1.3 This part of ISO 1872 is applicable to all polyethylene homopolymers and to copolymers of ethylene having a content of other 1-olefinic monomers of less than 50 % (*m/m*) and a content of non-olefinic monomers with functional groups up to a maximum of 3 % (*m/m*).

It applies to materials ready for normal use in the form of powder, granules or pellets, unmodified or modified by colorants, additives, fillers, etc.

This part of ISO 1872 does not apply to masterbatches or to EPM rubber.

1.4 It is not intended to imply that materials having the same designation give necessarily the same performance. This part of ISO 1872 does not provide engineering data, performance data or data on processing conditions which may be required to specify a material for a particular application and/or method of processing.

If such additional properties are required, they shall be determined in accordance with the test methods specified in part 2 of this International Standard, if suitable.

1.5 In order to specify a thermoplastic material for a particular application or to ensure reproducible processing, additional requirements may be given in data block 5 (see clause 3, introductory paragraph).