



SLOVENSKI STANDARD
SIST EN ISO 1163-1:2000
01-maj-2000

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Plastics - Unplasticized poly(vinyl chloride) (PVC-U) moulding and extrusion materials - Part 1: Designation system and basis for specifications (ISO 1163-1:1995)

Kunststoffe - Weichmacherfreie Polyvinylchlorid (PVC-U) - Formmassen - Teil 1: Bezeichnungssystem und Basis für Spezifikationen (ISO 1163-1:1995)

Plastiques - Poly(chlorure de vinyle) non plastifié (PVC-U) pour moulage et extrusion - Partie 1: Systeme de désignation et base de spécification (ISO 1163-1:1995)

<https://standards.iteh.ai/catalog/standards/sist/61b802c2-de63-466a-a041-10415bd543af/sist-en-iso-1163-1-2000>

Ta slovenski standard je istoveten z: EN ISO 1163-1:1999

ICS:

83.080.20 Plastomeri Thermoplastic materials

SIST EN ISO 1163-1:2000 en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 1163-1

June 1999

ICS 83.080.20

English version

Plastics - Unplasticized poly(vinyl chloride) (PVC-U) moulding and extrusion materials - Part 1: Designation system and basis for specifications (ISO 1163-1:1995)

Plastiques - Poly(chlorure de vinyle) non plastifié (PVC-U) pour moulage et extrusion - Partie 1: Système de désignation et base de spécification (ISO 1163-1:1995)

Kunststoffe - Weichmacherfreie Polyvinylchlorid (PVC-U)-Formmassen - Teil 1: Bezeichnungssystem und Basis für Spezifikationen (ISO 1163-1:1995)

This European Standard was approved by CEN on 6 May 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

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EN ISO 1163-1:1999

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 December 1999, and conflicting national standards shall be withdrawn at the latest by December 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 1163-1:1995 has been approved by CEN as a European Standard without any modification.

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

[SIST EN ISO-1163-1:2000](https://standards.iteh.ai/catalog/standards/sist/61b802c2-de63-466a-a041-10415bd543af/sist-en-iso-1163-1-2000)

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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 |

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INTERNATIONAL
STANDARD

ISO
1163-1

Third edition
1995-12-15

Plastics — Unplasticized poly(vinyl chloride) (PVC-U) moulding and extrusion materials —

Part 1:

Designation system and basis for specifications

SIST EN ISO 1163-1:2000

<https://standards.iteh.ai/catalog/standards/sist/61b802c2-de63-466a-a041-10415bd543af/sist-en-iso-1163-1-2000>

Plastiques — Poly(chlorure de vinyle) non plastifié (PVC-U) pour moulage et extrusion —

Partie 1: Système de désignation et base de spécification



Reference number
ISO 1163-1:1995(E)

ISO 1163-1:1995(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 1163-1 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 9, *Thermoplastic materials*.

This third edition cancels and replaces the second edition (ISO 1163-1:1985), which has been technically revised. The main changes concern the code-numbers and ranges for the impact strength and modulus of elasticity in table 2.

ISO 1163 consists of the following parts, under the general title *Plastics — Unplasticized poly(vinyl chloride) (PVC-U) 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 — Unplasticized poly(vinyl chloride) (PVC-U) moulding and extrusion materials —

Part 1:

Designation system and basis for specifications

1 Scope

1.1 This part of ISO 1163 establishes a system of designation for unplasticized PVC thermoplastic material which may be used as the basis for specifications.

1.2 The types of PVC-U plastics are differentiated from each other by a classification system based on appropriate levels of the designatory properties

- a) Vicat softening temperature
- b) impact strength (Charpy notched)
- c) modulus of elasticity

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

1.3 This part of ISO 1163 is applicable to all unplasticized compositions of homopolymers and copolymers that contain at least 50 % (*m/m*) of vinyl chloride. It is also applicable to compositions containing chlorinated poly(vinyl chloride) and to compositions containing blends of one or more of the above-mentioned polymers, provided that the total amount of these polymers represents at least 50 % (*m/m*) of the polymer content of the composition.

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

This part of ISO 1163 does not apply to cellular plastics.

1.4 It is not intended to imply that materials having the same designation give necessarily the same performance. This part of ISO 1163 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 or processing.

If such additional properties are required, they may 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).