

**Plastid. Plastifitseeritud polüvinüülkloriidist
(PVC-P) vormimis- ja
ekstrusioonimaterjalid. Osa 1:
Tähistussüsteem ja alus tehniliste andmete
jaoks**

Plastics - Plasticized poly(vinyl chloride) (PVC-P)
moulding and extrusion materials - Part 1:
Designation system and basis for specifications

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 2898-1:2000 sisaldab Euroopa standardi EN ISO 2898-1:1999 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 11.01.2000 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 2898-1:2000 consists of the English text of the European standard EN ISO 2898-1:1999.</p> <p>This document is endorsed on 11.01.2000 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>Käsitlusala: This part of ISO 2898 establishes a system of designation for plasticized thermoplastic material which may be used as the basis for specifications.</p>	<p>Scope: This part of ISO 2898 establishes a system of designation for plasticized thermoplastic material which may be used as the basis for specifications.</p>
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ICS 83.080.20

Võtmesõnad: alphabetic codes, data blocks, data codes, designation, extrusion materials, moulding materials, plasticized polyvinyl chloride, plastics, thermoplastic resins

English version

Plastics

**Plasticized poly(vinyl chloride) (PVC-P) moulding and
extrusion materials**

**Part 1: Designation system and basis for specifications
(ISO 2898-1 : 1996)**

Plastiques – Matériaux à base de
poly(chlorure de vinyle) plastifié
(PVC-P) pour moulage et extrusion –
Partie 1: Système de désignation et
base de spécification
(ISO 2898-1 : 1996)

Kunststoffe – Weichmacherhaltige
Polyvinylchlorid (PVC-P)-
Formmassen – Teil 1: Bezeichnungs-
system und Basis für Spezifikationen
(ISO 2898-1 : 1996)

This European Standard was approved by CEN on 1999-05-06.

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.

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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 2898-1 : 1996 Plastics – Plasticized poly(vinyl chloride) (PVC-P) moulding and extrusion materials – Part 1: Designation system and basis for specifications,

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 December 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 2898-1 : 1996 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to international publications are listed in Annex ZA (normative).

1 Scope

1.1 This part of ISO 2898 establishes a system of designation for plasticized thermoplastic material which may be used as the basis for specifications.

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

- a) Shore hardness
- b) density
- c) torsional-stiffness temperature at 300 MPa

and on information about physical form, intended application and/or method of processing, important properties, additives and colorants.

1.3 This part of ISO 2898 is applicable to all plasticized compositions of homopolymers and copolymers that contain at least 50 % (*m/m*) of vinyl chloride. It is also applicable to plasticized compositions containing chlorinated poly(vinyl chloride) and to plasticized 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.

This part of ISO 2898 applies to materials ready for normal use in the form of powder (dry blends), granules or pellets, unmodified or modified by colorants, additives, fillers, etc.

This part of ISO 2898 does not apply to cellular plastics or to paste compositions (plastisols).

1.4 It is not intended to imply that materials having the same designation give necessarily the same performance. This part of ISO 2898 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, first paragraph).

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 2898. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 2898 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 1043-1:—¹⁾, *Plastics — Symbols and abbreviated terms — Part 1: Basic polymers and their special characteristics*.

ISO 2898-2:—²⁾, *Plastics — Plasticized poly(vinyl chloride) (PVC-P) moulding and extrusion materials — Part 2: Preparation of test specimens and determination of properties*.

3 Designation and specification system

The designation and specification system for thermoplastics is based on the following standardized pattern:

Designation						
Description block (optional)	Identity block					
	International Standard Number block	Individual-item block				
		Data block 1	Data block 2	Data block 3	Data block 4	Data block 5

The designation consists of an optional description block, reading "Thermoplastics", and an identity block comprising the International Standard number and an individual-item block. For unambiguous coding, the individual-item block is subdivided into 5 data blocks comprising the following information:

- Data block 1: Identification of the plastic by its symbol PVC-P in accordance with ISO 1043-1 and information about the polymerization process or the composition of the polymer.
- Data block 2: Position 1: Intended application or method of processing (see 3.2).
Positions 2 to 8: Important properties, additives and supplementary information (see 3.2).
- Data block 3: Designatory properties (see 3.3).
- Data block 4: Fillers or reinforcing materials and their nominal content (not included in this part of ISO 2898).
- Data block 5: For the purpose of specifications, a fifth data block may be added containing additional information.

The first character of the individual-item block shall be a hyphen. The data blocks shall be separated from each other by commas.

If a data block is not used, this shall be indicated by doubling the separation sign, i.e. by two commas (,,).

3.1 Data block 1

In this data block, after the hyphen, plasticized poly(vinyl chloride) plastics are identified by the symbol PVC-P, in accordance with ISO 1043-1.

1) To be published. (Revision of ISO 1043-1:1987)

2) To be published. (Revision of ISO 2898-2:1989)