

STN	Plasty Materiály z nemäkčeneho polyvinylchloridu (PVC-U) na tvárnenie a vytlačanie Časť 1: Systém označovania a základy na špecifikáciu (ISO 21306-1: 2019)	STN EN ISO 21306-1 64 3210
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Plastics - Unplasticized poly(vinyl chloride) (PVC-U) moulding and extrusion materials - Part 1: Designation system and basis for specifications (ISO 21306-1:2019)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 10/19

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Plastics - Unplasticized poly(vinyl chloride) (PVC-U) moulding and extrusion materials - Part 1: Designation system and basis for specifications (ISO 21306-1:2019)

Plastiques - Matériaux à base de poly(chlorure de vinyle) non plastifié (PVC-U) pour moulage et extrusion - Partie 1: Système de désignation et base de spécification (ISO 21306-1:2019)

Kunststoffe - Weichmacherfreie Polyvinylchlorid (PVC-U)-Werkstoffe - Teil 1: Bezeichnungssystem und Basis für Spezifikationen (ISO 21306-1:2019)

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EN ISO 21306-1:2019 (E)

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European foreword

This document (EN ISO 21306-1:2019) has been prepared by Technical Committee ISO/TC 61 "Plastics" in collaboration with Technical Committee CEN/TC 249 "Plastics" the secretariat of which is held by NBN.

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of an identical text or by endorsement, at the latest by October 2019, and conflicting national standards shall be withdrawn at the latest by October 2019.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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Endorsement notice

The text of ISO 21306-1:2019 has been approved by CEN as EN ISO 21306-1:2019 without any modification.

INTERNATIONAL STANDARD

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

Part 1: Designation system and basis for specifications

Plastiques — Matériaux à base de poly(chlorure de vinyle) non plastifié (PVC-U) pour moulage et extrusion —

Partie 1: Système de désignation et base de spécification



Reference number
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ISO 21306-1:2019(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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 9, *Thermoplastic materials*.

This first edition of ISO 21306-1 cancels and replaces ISO 1163-1:1995, which has been technically revised. The main changes compared to the previous edition are as follows:

- the positions of Data block 2 and Data block 4 of the old designation system has been changed.

A list of all parts in the ISO 21306 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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

Part 1: Designation system and basis for specifications

1 Scope

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

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.

This document is applicable to all unplasticized compositions of homopolymers and copolymers that contain at least a mass fraction of 50 % 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 a mass fraction of 50 % 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 document does not apply to cellular plastics.

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

If such additional properties are required, they can be determined in accordance with the test methods specified in ISO 21306-2, if suitable.

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 [4.1](#)).

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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

ISO 21306-1:2019(E)

ISO 21306-2, *Plastics — Unplasticized poly (vinyl chloride) (PVC-U) moulding and extrusion materials — Part 2: Preparation of test specimens and determination of properties*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN