



# SLOVENSKI STANDARD SIST EN ISO 11833-1:2012

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Nadomešča:

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**Polimerni materiali - Nemehčane polivinilkloridne plošče - Vrste, mere in značilnosti - 1. del: Plošče z debelino več kot 1 mm (ISO 11833-1:2012)**

Plastics - Unplasticized poly(vinyl chloride) sheets - Types, dimensions and characteristics - Part 1: Sheets of thickness not less than 1 mm (ISO 11833-1:2012)

Kunststoffe - Weichmacherfreie Polyvinylchloridtafeln - Typen, Maße und Eigenschaften - Teil 1: Tafeln mit einer Dicke von mindestens 1 mm (ISO 11833-1:2012)

Plastiques - Feuilles en poly(chlorure de vinyle) non plastifié - Types, dimensions et caractéristiques - Partie 1: Plaques d'épaisseur non inférieure à 1 mm (ISO 11833-1:2012)

**Ta slovenski standard je istoveten z: EN ISO 11833-1:2012**

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**ICS:**

83.140.10      Filmi in folije                      Films and sheets

**SIST EN ISO 11833-1:2012**                      en,fr

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 11833-1**

July 2012

ICS 83.140.10

Supersedes EN ISO 11833-1:2007

English Version

**Plastics - Unplasticized poly(vinyl chloride) sheets - Types,  
dimensions and characteristics - Part 1: Sheets of thickness not  
less than 1 mm (ISO 11833-1:2012)**

Plastiques - Feuilles en poly(chlorure de vinyle) non  
plastifié - Types, dimensions et caractéristiques - Partie 1:  
Plaques d'épaisseur non inférieure à 1 mm (ISO 11833-  
1:2012)

Kunststoffe - Weichmacherfreie Polyvinylchloridtafeln -  
Typen, Maße und Eigenschaften - Teil 1: Tafeln mit einer  
Dicke von mindestens 1 mm (ISO 11833-1:2012)

This European Standard was approved by CEN on 23 June 2012.

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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

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## Foreword

This document (EN ISO 11833-1:2012) 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 January 2013, and conflicting national standards shall be withdrawn at the latest by January 2013.

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

This document supersedes EN ISO 11833-1:2007.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, the United Kingdom and Turkey.

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The text of ISO 11833-1:2012 has been approved by CEN as a EN ISO 11833-1:2012 without any modification.

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2012-06-01

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**Plastics — Unplasticized poly(vinyl  
chloride) sheets — Types, dimensions  
and characteristics —****Part 1:  
Sheets of thickness not less than 1 mm**

*Plastiques — Feuilles en poly(chlorure de vinyle) non plastifié — Types,  
dimensions et caractéristiques —  
Partie 1 Plaques d'épaisseur non inférieure à 1 mm*

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## ISO 11833-1:2012(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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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.

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

ISO 11833-1 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 11, *Products*.

This third edition cancels and replaces the second edition (ISO 11833-1:2007), of which Table 5 (concerning the basic properties of the sheets) and Clause 7 (concerning marking) have been technically revised.

ISO 11833 consists of the following parts, under the general title *Plastics — Unplasticized poly(vinyl chloride) sheets — Types, dimensions and characteristics*:

— Part 1: Sheets of thickness not less than 1 mm

— Part 2: Sheets of thickness less than 1 mm

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# Plastics — Unplasticized poly(vinyl chloride) sheets — Types, dimensions and characteristics —

## Part 1: Sheets of thickness not less than 1 mm

### 1 Scope

This part of ISO 11833 specifies the requirements for flat extruded sheets and pressed sheets of unplasticized poly(vinyl chloride) (PVC-U) and the test methods to be used to measure the required values.

It applies only to sheets of thickness not less than 1,0 mm.

It does not cover biaxially stretched PVC-U sheets.

### 2 Normative references

The following referenced documents are indispensable for the application 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 75-2:2004, *Plastics — Determination of temperature of deflection under load — Part 2: Plastics and ebonite*

ISO 178, *Plastics — Determination of flexural properties*

ISO 179-1, *Plastics — Determination of Charpy impact properties — Part 1: Non-instrumented impact test*

ISO 291, *Plastics — Standard atmospheres for conditioning and testing*

ISO 306:2004, *Plastics — Thermoplastic materials — Determination of Vicat softening temperature (VST)*

ISO 527-2, *Plastics — Determination of tensile properties — Part 2: Test conditions for moulding and extrusion plastics*

ISO 899-2, *Plastics — Determination of creep behaviour — Part 2: Flexural creep by three-point loading*

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

ISO 1183-1, *Plastics — Methods for determining the density of non-cellular plastics — Part 1: Immersion method, liquid pycnometer method and titration method*

ISO 1183-2, *Plastics — Methods for determining the density of non-cellular plastics — Part 2: Density gradient column method*

ISO 2039-1, *Plastics — Determination of hardness — Part 1: Ball indentation method*

ISO 2818, *Plastics — Preparation of test specimens by machining*

ISO 13468-1, *Plastics — Determination of the total luminous transmittance of transparent materials — Part 1: Single-beam instrument*

IEC 60093, *Methods of test for volume resistivity and surface resistivity of solid electrical insulating materials*