

Irish Standard I.S. EN 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)

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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)

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EN ISO 11833-1:2012 (E)

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of an identical text or by endorsement, at the latest by January 2013, and conflicting national standards shall be withdrawn at the latest by January 2013.

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I.S. EN ISO 11833-1:2012 INTERNATIONAL STANDARD

ISO 11833-1

Third edition 2012-06-01

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.

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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

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 pyknometer 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



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