

Plasty Dosky z nemäkčeného polyvinylchloridu Typy, rozmery a charakteristiky Časť 1: Dosky s hrúbkou najmenej 1 mm (ISO 11833-1: 2019)

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Plastics - Unplasticized poly(vinyl chloride) sheets - Part 1: Types, dimensions and characteristics for sheets of thickness not less than 1 mm (ISO 11833-1:2019)

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

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Plastics - Unplasticized poly(vinyl chloride) sheets - Part 1: Types, dimensions and characteristics for sheets of thickness not less than 1 mm (ISO 11833-1:2019)

Plastiques - Feuilles en poly(chlorure de vinyle) non plastifié - Partie 1: Types, dimensions et caractéristiques pour des plaques d'épaisseur non inférieure à 1 mm (ISO 11833-1:2019) Kunststoffe - Weichmacherfreie Polyvinylchloridtafeln - Teil 1: Typen, Maße und Eigenschaften für Tafeln mit einer Dicke von mindestens 1 mm (ISO 11833-1:2019)

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STN EN ISO 11833-1: 2020

EN ISO 11833-1:2019 (E)

Contents	Page
European foreword	3

European foreword

This document (EN ISO 11833-1:2019) 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of an identical text or by endorsement, at the latest by February 2020, and conflicting national standards shall be withdrawn at the latest by February 2020.

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INTERNATIONAL STANDARD

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Plastics — Unplasticized poly(vinyl chloride) sheets —

Part 1:

Types, dimensions and characteristics for sheets of thickness not less than 1 mm

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



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Cont	Contents				
Forew	ord			iv	
1	Scope	<u></u>		1	
2	Normative references				
3	Terms and definition				
4	Material				
=					
5			1		
	Requ : 6.1	Requirements 5.1 Masking			
	6.2		rance		
	6.3		sions		
	0.5	6.3.1	Length and width		
		6.3.2	Rectangularity		
		6.3.3	Thickness		
	6.4				
	6.5	Other mechanical and physical properties			
	6.6		cal and physiological properties		
		6.6.1	Flammability	6	
		6.6.2	Chemical resistance		
		6.6.3	Physiological behaviour	6	
7	Test methods			6	
	7.1	Genera	al	6	
		7.1.1	Sampling	6	
		7.1.2	Preparation of specimens		
		7.1.3	Conditioning and testing of specimens		
	7.2	11			
	7.3				
	7.4	4 Mechanical properties			
		7.4.1	Modulus of elasticity in tension		
		7.4.2	Charpy impact strength of notched specimens		
	7.5		ial properties		
	7.0	7.5.1	Vicat softening temperature	9	
		7.5.2	Dimensional change on heating and resistance to delamination		
	7.6 Total luminous transmittance				
	7.7				
		7.7.1	Charpy impact strength of unnotched specimens	11	
		7.7.2	Temperature of deflection under load	11	
		7.7.3	Creep modulus		
		7.7.4	Density		
		7.7.5	Flexural strength		
		7.7.6	Ball indentation hardness		
		7.7.7	Volume resistivity		
8		•		12	
Annex	A (inf	ormativ	e) Determination of resistance to delamination of thick pressed sheets	4.0	
	using	a wedg	e	13	
Annex			e) Determination of resistance to delamination of thick pressed sheets		
	by the	ermal b	ending	15	

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 11, *Products*.

This fourth edition cancels and replaces the third edition (ISO 11833-1:2012), which has been technically revised. The main changes compared to the previous edition are as follows:

- the title has been editorially revised to read "Plastics Unplasticized poly(vinyl chloride) sheets —
 Part 1: Types, dimensions and characteristics for sheets of thickness not less than 1 mm";
- the "colour" requirements (former 5.3) have been incorporated with the "appearance" requirements in <u>6.2</u> (former 5.2);
- the requirements for measurement at any other temperature (t °C) than 23 °Chas been added to 7.3.1 (former 6.3.1);
- the method of handling the results of <u>7.4.1</u>, <u>7.4.2</u> and <u>7.4.3</u> (former 6.4.1 to 6.4.3) have been added;
- "Testing of sheets with a thickness between 1,0 mm and <1,5 mm shall be subject between the interested parties" has been added in 7.5.1 (former 6.5.1);
- a new <u>Table 7</u> "Frequency and measurement positions of appearance tests and dimensional measurements" has been added and the subsequent tables have been renumbered..

A list of all parts in the ISO 11833 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) sheets —

Part 1:

Types, dimensions and characteristics for sheets of thickness not less than 1 mm

1 Scope

This document 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 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 75-2:2013, 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 306:2013, Plastics — Thermoplastic materials — Determination of Vicat softening temperature (VST)

ISO 472, Plastics — Vocabulary

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 21306-1:2019, 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 2859-1, Sampling procedures for inspection by attributes — Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection

ISO 11833-1:2019(E)

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

IEC 62631-3-1, Dielectric and resistive properties of solid insulating materials — Part 3-1: Determination of resistive properties (DC methods) — Volume resistance and volume resistivity — General method

koniec náhľadu – text ďalej pokračuje v platenej verzii STN