

<b>STN</b>	<b>Plasty</b> <b>Polotovary z polytetrafluóretylénu (PTFE)</b> <b>Časť 2: Príprava skúšobných telies a stanovenie</b> <b>vlastností (ISO 13000-2: 2021)</b>	<b>STN</b> <b>EN ISO 13000-2</b>  64 3072
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Plastics - Polytetrafluoroethylene (PTFE) semi-finished products - Part 2: Preparation of test specimens and determination of properties (ISO 13000-2:2021)

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. 11/21

Obsahuje: EN ISO 13000-2:2021, ISO 13000-2:2021

Oznámením tejto normy sa ruší  
STN EN ISO 13000-2 (64 3072) z mája 2006

**133874**

EUROPEAN STANDARD

**EN ISO 13000-2**

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2021

ICS 83.140.01

Supersedes EN ISO 13000-2:2005

English Version

## Plastics - Polytetrafluoroethylene (PTFE) semi-finished products - Part 2: Preparation of test specimens and determination of properties (ISO 13000-2:2021)

Plastiques - Semi-produits en polytétrafluoroéthylène (PTFE) - Partie 2: Préparation des éprouvettes et détermination des propriétés (ISO 13000-2:2021)

Kunststoffe - Polytetrafluorethylen (PTFE)-Halbzeuge - Teil 2: Herstellung von Probekörpern und Bestimmung von Eigenschaften (ISO 13000-2:2021)

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## **European foreword**

This document (EN ISO 13000-2:2021) 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of an identical text or by endorsement, at the latest by March 2022, and conflicting national standards shall be withdrawn at the latest by March 2022.

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 13000-2:2021 has been approved by CEN as EN ISO 13000-2:2021 without any modification.

**INTERNATIONAL  
STANDARD**

**ISO  
13000-2**

Third edition  
2021-08

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**Plastics — Polytetrafluoroethylene  
(PTFE) semi-finished products —**

**Part 2:  
Preparation of test specimens and  
determination of properties**

*Plastiques — Semi-produits en polytétrafluoroéthylène (PTFE) —  
Partie 2: Préparation des éprouvettes et détermination des propriétés*



Reference number  
ISO 13000-2:2021(E)

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Published in Switzerland

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# ISO 13000-2:2021(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](http://www.iso.org/directives)).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 9, *Thermoplastic materials*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 249, *Plastics*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 13000-2:2005), which has been technically revised.

The main changes compared to the previous edition are as follows:

- in [Clause 2](#), normative references have been updated;
- the former Figure 2 has been split into two figures ([Figures 2](#) and [3](#)) and subsequent figures have been renumbered;
- in [Figures 2](#) and [3](#), new dimensions (thickness  $1,5 \pm 0,25$  and  $1,0 \pm 0,20$ ) have been added;
- in [Clause 6](#):
  - [Table 1](#) has been edited to compliment [Figures 2](#) and [3](#);
  - a new [Table 2](#) has been added to compliment [Figure 4](#);
- former Annex A has been changed to Bibliography, and titles for standards have been corrected.

A list of all parts in the ISO 13000 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](http://www.iso.org/members.html).



# Plastics — Polytetrafluoroethylene (PTFE) semi-finished products —

## Part 2: Preparation of test specimens and determination of properties

**WARNING** — Persons using this document should be familiar with normal laboratory practice, if applicable. This document does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to determine the applicability of regulatory requirements prior to use.

### 1 Scope

This document specifies the preparation of test specimens and gives the test methods applicable to semi-finished products of polytetrafluoroethylene (PTFE).

### 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 472, *Plastics — Vocabulary*

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

ISO 527-3, *Plastics — Determination of tensile properties — Part 3: Test conditions for films and sheets*

ISO 868, *Plastics and ebonite — Determination of indentation hardness by means of a durometer (Shore hardness)*

ISO 1183 (all parts), *Plastics — Methods for determining the density of non-cellular plastics*

ISO 1923, *Cellular plastics and rubbers — Determination of linear dimensions*

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

ISO 3611, *Geometrical product specifications (GPS) — Dimensional measuring equipment: Micrometers for external measurements — Design and metrological characteristics*

ISO 22088-3, *Plastics — Determination of resistance to environmental stress cracking (ESC) — Part 3: Bent strip method*

ISO 22088-4, *Plastics — Determination of resistance to environmental stress cracking (ESC) — Part 4: Ball or pin impression method*

ISO 13000-1, *Plastics — Polytetrafluoroethylene (PTFE) semi-finished products — Part 1: Requirements and designation*

IEC 60243-1:2013, *Electrical strength of insulating materials — Test methods — Part 1: Tests at power frequencies*

**ISO 13000-2:2021(E)**

IEC 60243-2, *Electric strength of insulating materials — Test methods — Part 2: Additional requirements for tests using direct voltage*

CIE 1931 *standard colorimetric system*

CIE 1964 *standard colorimetric system*

CIE PUBLICATION NO 15, *Colorimetry*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**