



SLOVENSKI STANDARD SIST EN ISO 527-1:2019

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Nadomešča:
SIST EN ISO 527-1:2012

Polimerni materiali - Ugotavljanje nateznih lastnosti - 1. del: Splošna načela (ISO 527-1:2019)

Plastics - Determination of tensile properties - Part 1: General principles (ISO 527-1:2019)

Kunststoffe - Bestimmung der Zugeigenschaften - Teil 1: Allgemeine Grundsätze (ISO 527-1:2019)

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Plastiques - Détermination des propriétés en traction - Partie 1: Principes généraux (ISO 527-1:2019)

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Ta slovenski standard je istoveten z: EN ISO 527-1:2019

ICS:

83.080.01	Polimerni materiali na splošno	Plastics in general
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SIST EN ISO 527-1:2019

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 527-1

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Supersedes EN ISO 527-1:2012

English Version

**Plastics - Determination of tensile properties - Part 1:
General principles (ISO 527-1:2019)**

Plastiques - Détermination des propriétés en traction -
Partie 1: Principes généraux (ISO 527-1:2019)

Kunststoffe - Bestimmung der Zugeigenschaften - Teil
1: Allgemeine Grundsätze (ISO 527-1:2019)

This European Standard was approved by CEN on 20 July 2019.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN ISO 527-1:2019) 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of an identical text or by endorsement, at the latest by March 2020, and conflicting national standards shall be withdrawn at the latest by March 2020.

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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The text of ISO 527-1:2019 has been approved by CEN as EN ISO 527-1:2019 without any modification.

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INTERNATIONAL
STANDARD

ISO
527-1

Third edition
2019-07

**Plastics — Determination of tensile
properties —**

**Part 1:
General principles**

Plastiques — Détermination des propriétés en traction —

Partie 1: Principes généraux
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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 on 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 the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 2, *Mechanical properties*.

This third edition cancels and replaces the second edition (ISO 527-1:2012), which has been technically revised.

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

- an error in [Figure 1](#) concerning ε_{tM} has been removed;
- the inconsistency concerning the accuracy of the elongation used in the calculation of the tensile modulus between [5.1.5.1](#), [Figure 1](#) and [Annex C](#) has been removed. For gauge lengths $L_0 \leq 50$ mm, the accuracy is set to ± 1 μm ;
- the normative references (see [Clause 2](#)) have been updated;
- minor editorial changes have been applied;
- language has been clarified.

A list of all parts in the ISO 527 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.

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