



**SLOVENSKI STANDARD**  
**SIST EN ISO 22007-1:2024**

**01-maj-2024**

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**Polimerni materiali - Ugotavljanje toplotne prevodnosti in toplotne razpršenosti - 1.  
del: Splošna načela (ISO 22007-1:2024)**

Plastics - Determination of thermal conductivity and thermal diffusivity - Part 1: General principles (ISO 22007-1:2024)

Kunststoffe - Bestimmung der Wärmeleitfähigkeit und der Temperaturleitfähigkeit - Teil 1: Allgemeine Grundlagen (ISO 22007-1:2024)

Plastiques - Détermination de la conductivité thermique et de la diffusivité thermique - Partie 1: Principes généraux (ISO 22007-1:2024)

**Ta slovenski standard je istoveten z: EN ISO 22007-1:2024**

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**ICS:**

83.080.01	Polimerni materiali na splošno	Plastics in general
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## Plastics - Determination of thermal conductivity and thermal diffusivity - Part 1: General principles (ISO 22007-1:2024)

Plastiques - Détermination de la conductivité thermique et de la diffusivité thermique - Partie 1: Principes généraux (ISO 22007-1:2024)

Kunststoffe - Bestimmung der Wärmeleitfähigkeit und der Temperaturleitfähigkeit - Teil 1: Allgemeine Grundlagen (ISO 22007-1:2024)

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## European foreword

This document (EN ISO 22007-1:2024) 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 SIS.

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of an identical text or by endorsement, at the latest by September 2024, and conflicting national standards shall be withdrawn at the latest by September 2024.

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.

This document supersedes EN ISO 22007-1:2017.

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**International  
Standard**

**ISO 22007-1**

**Plastics — Determination of  
thermal conductivity and thermal  
diffusivity —**

**Part 1:  
General principles**

*Plastiques — Détermination de la conductivité thermique et de la  
diffusivité thermique —*

*Partie 1: Principes généraux*

**Third edition  
2024-03**

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## ISO 22007-1:2024(en)

### Foreword

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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 document 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)).

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This document was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 5, *Physical-chemical properties*, 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 22007-1:2017), which has been technically revised.

The main changes are as follows:

- the terms and definitions which are not used in the document have been deleted from [Clause 3](#);
- a new term contact resistance (see [3.7](#)) has been added;
- laser flash method has been changed to light flash method.

A list of all parts in the ISO 22007 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).