



SLOVENSKI STANDARD

oSIST prEN ISO 60:2023

01-februar-2023

Polimerni materiali - Določanje nasipne mase materiala, ki se lahko nasipa skozi lij določenih mer (ISO/DIS 60:2022)

Plastics - Determination of apparent density of material that can be poured from a specified funnel (ISO/DIS 60:2022)

Kunststoffe - Bestimmung der scheinbaren Dichte von Formmassen, die durch einen genormten Trichter abfließen können (Schüttdichte) (ISO/DIS 60:2022)

Plastiques - Détermination de la masse volumique apparente des matières susceptibles de s'écouler à travers un entonnoir donné (ISO/DIS 60:2022)

Ta slovenski standard je istoveten z: prEN ISO 60

ICS:

83.080.10 Duromeri Thermosetting materials

oSIST prEN ISO 60:2023 en,fr,de

DRAFT INTERNATIONAL STANDARD

ISO/DIS 60

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Plastics — Determination of apparent density of material that can be poured from a specified funnel

Plastiques — Détermination de la masse volumique apparente des matières susceptibles de s'écouler à travers un entonnoir donné

ICS: 83.080.10

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ISO/DIS 60:2022(E)

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 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 12, *Thermosetting materials*.

This third edition cancels and replaces the second edition (ISO 60:1977), which has been technically revised.

The main changes are as follows:

- Revised the foreword with updated ISO default text;
- Added [clause 2](#) (Normative reference) in the text;
- Added [clause 3](#) (Terms and definitions) in the text;
- Added “Tested samples shall not be reused” in procedure;
- Added “Take two significant digits” in expression of results;
- Revised the test report contents.

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 — Determination of apparent density of material that can be poured from a specified funnel

1 Scope

This document specifies a method of determining the apparent density, i.e. the mass per unit of volume, of loose material (powder or granular material) that can be poured from a funnel of specified design.

NOTE For a method of determining the apparent density of loose moulding material that cannot be poured from a specified funnel, see ISO 61.

When the method is applied to relatively coarse materials, rather variable results may be obtained, owing to the error introduced when a straightedge blade is drawn across the top of the cylinder.

A knowledge of apparent density is of limited value in estimating the relative fluffiness or bulk of moulding materials, unless their densities in the moulded condition are approximately the same.

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 61, *Plastics — Determination of apparent density of material that cannot be poured from a specified funnel*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 Apparatus

4.1 Balance, accurate to 0,1 g.

4.2 Measuring cylinder, smoothly finished inside, which may be constructed of metal, of capacity of $(100 \pm 0,5)$ ml, and internal diameter (45 ± 5) mm.

4.3 Funnel, of the form and dimension shown in the figure, with a cover for the lower orifice (for example metal plate).