



SLOVENSKI STANDARD
oSIST prEN ISO 61:2023

01-februar-2023

Polimerni materiali - Določanje nasipne mase materiala za oblikovanje, ki ga ni mogoče nasuti skozi lij določenih mer (ISO/DIS 61:2022)

Plastics - Determination of apparent density of moulding material that cannot be poured from a specified funnel (ISO/DIS 61:2022)

Kunststoffe - Bestimmung der scheinbaren Dichte von Formmassen, die nicht durch einen gegebenen Trichter abfließen können (Stopfdichte) (ISO/DIS 61:2022)

Plastiques - Détermination de la masse volumique apparente des matières à mouler non susceptibles de s'écouler à travers un entonnoir donné (ISO/DIS 61:2022)

Ta slovenski standard je istoveten z: prEN ISO 61

ICS:

83.080.01	Polimerni materiali na splošno	Plastics in general
-----------	--------------------------------	---------------------

oSIST prEN ISO 61:2023

en,fr,de

DRAFT INTERNATIONAL STANDARD

ISO/DIS 61

ISO/TC 61/SC 12

Secretariat: JISC

Voting begins on:
2022-12-14Voting terminates on:
2023-03-08

Plastics — Determination of apparent density of moulding material that cannot be poured from a specified funnel

Matières plastiques — Détermination de la masse volumique apparente des matières à mouler non susceptibles de s'écouler à travers un entonnoir donné

ICS: 83.080.10

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[oSIST prEN ISO 61:2023](https://standards.iteh.ai/catalog/standards/sist/7185bee3-956e-4812-8284-9e44fffb621/osist-pren-iso-61-2023)

<https://standards.iteh.ai/catalog/standards/sist/7185bee3-956e-4812-8284-9e44fffb621/osist-pren-iso-61-2023>

This document is circulated as received from the committee secretariat.

THIS DOCUMENT IS A DRAFT CIRCULATED FOR COMMENT AND APPROVAL. IT IS THEREFORE SUBJECT TO CHANGE AND MAY NOT BE REFERRED TO AS AN INTERNATIONAL STANDARD UNTIL PUBLISHED AS SUCH.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.

RECIPIENTS OF THIS DRAFT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

ISO/CEN PARALLEL PROCESSING



Reference number
ISO/DIS 61:2022(E)

© ISO 2022

iTeh STANDARD PREVIEW (standards.iteh.ai)

[oSIST prEN ISO 61:2023](https://standards.iteh.ai/catalog/standards/sist/7185bee3-956e-4812-8284-9e44fffb621/osist-pren-iso-61-2023)

<https://standards.iteh.ai/catalog/standards/sist/7185bee3-956e-4812-8284-9e44fffb621/osist-pren-iso-61-2023>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2022

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

Foreword.....	iv
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 Apparuts.....	1
5 Procedure.....	2
6 Expression of results.....	2
7 Test report.....	3

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[oSIST prEN ISO 61:2023](https://standards.iteh.ai/catalog/standards/sist/7185bee3-956e-4812-8284-9e44ffbd621/osist-pren-iso-61-2023)

<https://standards.iteh.ai/catalog/standards/sist/7185bee3-956e-4812-8284-9e44ffbd621/osist-pren-iso-61-2023>

ISO/DIS 61:2022(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).

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).

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.

This document was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 12, *Thermosetting materials*.

This second edition cancels and replaces the first edition (ISO 61:1976), which has been technically revised.

The main changes are as follows:

- Revised the foreword with updated ISO default text;
- Specified the loose moulding material;
- Added [Clause 2](#) (Normative reference) in the text;
- Added [Clause 3](#) (Terms and definitions) in the text;
- Added “Ruler, accurate to 1 mm” in apparatus;
- Added a [Figure 1](#) in apparatus;
- 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 moulding material that cannot 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 that cannot be poured from a funnel of specified design.

NOTE For a method of determining the apparent density of loose moulding material that can be poured from a specified funnel, see ISO 60.

This document applies to loose moulding materials such as slice, granular or powder.

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

<https://standards.iteh.ai/catalog/standards/sist/7185bee3-956e-4812-8284-14fffb621/osist-pren-iso-61-2023>

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 **Ruler**, accurate to 1 mm.

4.3 **Measuring cylinder**, smoothly finished inside, which may be constructed of metal, of capacity of $(1\ 000 \pm 20)$ ml, and internal diameter (90 ± 2) mm (see [Figure 1](#)).

4.4 **Plunger**, consisting of a hollow cylinder of mass $(2\ 300 \pm 20)$ g, close at one end and having an external diameter slightly smaller than the internal diameter of the measuring cylinder. The plunger may conveniently be weighted with lead shot (see [Figure 1](#)).