ICS 83.080.10 SLOVENSKÁ TECHNICKÁ NORMA Január 2024

STN	**Plasty** **Stanovenie sypnej hmotnosti lisovacej zmesi, ktorá prejde cez predpísaný lievik (ISO 60: 2023)**	**STN** **EN ISO 60** 64 0804

Plastics - Determination of apparent density of material that can be poured from a specified funnel (ISO 60:2023)

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. 12/23

Obsahuje: EN ISO 60:2023, ISO 60:2023

Oznámením tejto normy sa ruší
STN EN ISO 60 (64 0804) z februára 2001

137746

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 60

October 2023

ICS 83.080.10

Supersedes EN ISO 60:1999

English Version

Plastics - Determination of apparent density of material that can be poured from a specified funnel (ISO 60:2023)

Plastiques - Détermination de la masse volumique apparente des matières susceptibles de s'écouler à travers un entonnoir donné (ISO 60:2023)

Kunststoffe - Bestimmung der scheinbaren Dichte von Formmassen, die durch einen genormten Trichter abfließen können (Schüttdichte) (ISO 60:2023)

This European Standard was approved by CEN on 30 September 2023.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Ref. No. EN ISO 60:2023 E

Contents

Page

European foreword

This document (EN ISO 60:2023) 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of an identical text or by endorsement, at the latest by April 2024, and conflicting national standards shall be withdrawn at the latest by April 2024.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.

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Endorsement notice

The text of ISO 60:2023 has been approved by CEN as EN ISO 60:2023 without any modification.

INTERNATIONAL STANDARD

ISO 60

Third edition
2023-09

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

Reference number
ISO 60:2023(E)

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Published in Switzerland

Contents

Page

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 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).

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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*, 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 60:1977), which has been technically revised.

The main changes are as follows:

— added the mandatory Clause 2 (Normative references) and renumbered subsequent clauses;

— added the mandatory Clause 3 (Terms and definitions) and renumbered subsequent clauses;

— added the requirement, “Tested samples shall not be reused”, in the procedure;

— added the requirement, “Take two significant digits”, in the expression of results;

— added information to be included in the test report, i.e. “a reference to this document”, “standard deviation, and/or coefficient of variation, and/or confidence limits of mean, if required”, “any other observations”, “date of test”.

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Introduction

Apparent density refers to the ratio of mass to apparent volume of a material in its natural state (dry state stored in air for a long time).

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.

INTERNATIONAL STANDARD ISO 60:2023(E)

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.

2 Normative references

There are no normative references in this document.