SLOVENSKI STANDARD
oSIST prEN ISO 3671:2023

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Polimerni materiali - Aminoplasti za oblikovanje - Določevanje hlapnih snovi (ISO/DIS 3671:2022)

Plastics - Aminoplastic moulding materials - Determination of volatile matter (ISO/DIS 3671:2022)

Kunststoffe - Aminoplast-Formmassen - Bestimmung der flüchtigen Anteile (ISO/DIS 3671:2022)

Plastiques - Matières à mouler aminoplastes - Détermination des matières volatiles (ISO/DIS 3671:2022)

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Plastics — Aminoplastic moulding materials — Determination of volatile matter

Matières plastiques — Matières à mouler aminoplastes — Détermination des matières volatiles

ICS: 83.080.10

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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 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 3671:1976), which has been technically revised.

The main changes are as follows:

— Updated to modern format

— Added to record the weight of the empty weighing bottle under section 4.

— Changed the formula in section 5.

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 — Aminoplastic moulding materials — Determination of volatile matter

1 Scope

This International Standard specifies a method for the determination of volatile matter (predominantly water) in aminoplastic moulding materials, by drying in an oven.

2 Normative references

There are no normative references in this document.

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 Two wide-mouthed weighing bottles, of internal diameter 45 mm and depth 35 mm, provided with tight-fitting covers.

4.2 Well-ventilated oven, capable of being controlled at 55 ∓ 1 °C.

4.3 Balance, with an accuracy of 0,001 g.

5 Storage of Sample

Store the sample in an airtight container prior to testing, to prevent the loss or gain of water or other volatile matter.

6 Procedure

6.1 Record the weight, to the nearest 0,001 g, of a clean dried empty weighing bottle (4.1).

6.2 Weigh 5 ∓ 0,1 g of the sample to the nearest 0,001 g into the weighing bottle and spread evenly over the bottom of the bottle. Conduct the test in duplicate.

6.3 Place the bottles, with covers removed, in the oven (4.2), controlled at 55 ∓ 1 °C. After a period of 3 h, close the weighing bottles, remove from the oven and place in a desiccator at room temperature. After a period of at least 1 h, ease the covers of the weighing bottles to equalize pressure, and reweigh the bottles.