



SLOVENSKI STANDARD
SIST EN ISO 3671:2000
01-maj-2000

Plastiki - Aminoplastne oblikovalne snovi - Določitev volatilenih snovi (ISO 3671:1976)

Plastics - Aminoplastic moulding materials - Determination of volatile matter (ISO 3671:1976)

Kunststoffe - Aminoplast- Formmassen - Bestimmung der flüchtigen Anteile (ISO 3671:1976)

Matières plastiques - Matières à mouler aminoplastes - Détermination des matières volatiles (ISO 3671:1976)

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Ta slovenski standard je istoveten z: EN ISO 3671:1998

ICS:

83.080.01	Polimerni materiali na splošno	Plastics in general
83.080.10	Duromeri	Thermosetting materials

SIST EN ISO 3671:2000 **en**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 3671

August 1998

ICS 83.080.10

Descriptors: see ISO document

English version

Plastics - Aminoplastic moulding materials - Determination of
volatile matter (ISO 3671:1976)

Matières plastiques - Matières à mouler aminoplastes -
Détermination des matières volatiles (ISO 3671:1976)

Kunststoffe - Aminoplast-Formmassen - Bestimmung der
flüchtigen Anteile (ISO 3671:1976)

This European Standard was approved by CEN on 12 June 1998.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Foreword

The text of the International Standard from Technical Committee ISO/TC 61 "Plastics" of the International Organization for Standardization (ISO) has been taken over as an European Standard by Technical Committee CEN/TC 249 "Plastics", the secretariat of which is held by IBN.

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 February 1999, and conflicting national standards shall be withdrawn at the latest by February 1999.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 3671:1976 has been approved by CEN as a European Standard without any modification.

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INTERNATIONAL STANDARD



3671

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Plastics — Aminoplastic moulding materials — Determination of volatile matter

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

First edition — 1976-09-30

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ITEH STANDARD PREVIEW
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Descriptors : plastics, aminoplasts, moulding materials, chemical tests, determination, volatile matter.

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SIST EN ISO 3671:2000

FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up 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.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 3671 was drawn up by Technical Committee ISO/TC 61, *Plastics*, and was circulated to the Member Bodies in February 1975.

It has been approved by the Member Bodies of the following countries :

Belgium	Ireland	Spain
Brazil	Israel	Sweden
Canada	Japan	Switzerland
Chile	Netherlands	Turkey
France	Poland	United Kingdom
Hungary	Portugal	U.S.A.
India	Romania	U.S.S.R.
Iran	South Africa, Rep. of	Yugoslavia

The Member Body of the following country expressed disapproval of the document on technical grounds :

Germany

Plastics – Aminoplastic moulding materials – Determination of volatile matter

1 SCOPE AND FIELD OF APPLICATION

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

2 APPARATUS

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

2.2 Well-ventilated oven, capable of being controlled at 55 ± 1 °C.

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

3 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.

4 PROCEDURE

Weigh $5 \pm 0,1$ g of the sample to the nearest 0,001 g into a clean dried weighing bottle (2.1) and spread evenly over the bottom of the weighing bottle. Conduct the test in duplicate.

Place the bottles, with covers removed, in the oven (2.2), 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.

5 EXPRESSION OF RESULTS

The volatile matter is given, as a percentage by mass, by the formula

$$\frac{m_1}{m_0} \times 100$$

where

m_0 is the original mass of the test portion;

m_1 is the loss in mass of the test portion.

Calculate the arithmetic mean of the two determinations.

6 TEST REPORT

The test report shall include the following particulars :

- reference to this International Standard;
- complete identification of the product tested;
- the volatile matter content as the arithmetic mean of the two determinations;
- the individual results of the two determinations.