SLOVENSKI STANDARD
SIST EN ISO 1269:2007

01-april-2007

Polimerni materiali - Homo- in kopolimeri vinilklorida - Določanje hlapne snovi (vključno z vodo) (ISO 1269:2006)

Plastics - Homopolymer and copolymer resins of vinyl chloride - Determination of volatile matter (including water) (ISO 1269:2006)

Kunststoffe - Vinylchlorid-Homo- und Copolymerisate - Bestimmung der flüchtigen Bestandteile (einschließlich Wasser) (ISO 1269:2006)

Plastiques - Résines d'homopolymères et de copolymères de chlorure de vinyle - Détermination des matieres volatiles (y compris l'eau) (ISO 1269:2006)

Ta slovenski standard je istoveten z: **EN ISO 1269:2006**

ICS:

83.080.20	Plastomeri	Thermoplastic materials

SIST EN ISO 1269:2007 **en**

EUROPEAN STANDARD

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EUROPÄISCHE NORM

EN ISO 1269

November 2006

ICS 83.080.20

English Version

Plastics - Homopolymer and copolymer resins of vinyl chloride - Determination of volatile matter (including water) (ISO 1269:2006)

Plastiques - Résines d'homopolymères et de copolymères de chlorure de vinyle - Détermination des matières volatiles (y compris l'eau) (ISO 1269:2006)

Kunststoffe - Vinylchlorid-Homo- und Copolymerisate - Bestimmung der flüchtigen Bestandteile (einschließlich Wasser) (ISO 1269:2006)

This European Standard was approved by CEN on 11 November 2006.

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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.

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

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Foreword

This document (EN ISO 1269:2006) 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 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of an identical text or by endorsement, at the latest by May 2007, and conflicting national standards shall be withdrawn at the latest by May 2007.

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

Endorsement notice

The text of ISO 1269:2006 has been approved by CEN as EN ISO 1269:2006 without any modifications.

INTERNATIONAL STANDARD

ISO 1269

Third edition
2006-11-15

Plastics — Homopolymer and copolymer resins of vinyl chloride — Determination of volatile matter (including water)

Plastiques — Résines d'homopolymères et de copolymères de chlorure de vinyle — Détermination des matières volatiles (y compris l'eau)

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Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 1269 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 9, *Thermoplastic materials*.

This third edition cancels and replaces the second edition (ISO 1269:1980), which has been technically revised.

The revision includes an additional method, method B, that uses an automatic thermobalance to determine the volatile-matter content.

Plastics — Homopolymer and copolymer resins of vinyl chloride — Determination of volatile matter (including water)

1 Scope

This International Standard specifies two methods for determining the volatile matter (including water) in homopolymer and copolymer resins of vinyl chloride.

2 Principle

A test portion of resin, spread out in a weighing dish of specified dimensions, is heated at an appropriate temperature to constant mass.

3 Apparatus

3.1 Method A (using an oven and balance)

3.1.1 Oven, capable of being controlled at 110 °C ± 2 °C, with slight natural draught or equipped with a low-speed circulation fan.

3.1.2 Weighing dish, shallow, about 80 mm in diameter and more than 5 mm in height, made of glass, aluminium or, preferably, stainless steel, with a lid.

3.1.3 Balance, capable of weighing to 0,001 g.

3.1.4 Desiccator, containing a suitable desiccant.

3.2 Method B (using an automatic thermobalance)

3.2.1 Oven, capable of being controlled at 110 °C ± 2 °C.

3.2.2 Automatic thermobalance, consisting of a precision balance and an IR or halogen oven. The thermobalance automatically evaporates the volatile matter to constant mass by checking the mass readings.

3.2.3 Weighing dish, about 100 mm in diameter and more than 5 mm in height, made of aluminium.

3.2.4 Balance, capable of weighing to 0,001 g.

3.2.5 Desiccator, containing a suitable desiccant.

4 Procedure

4.1 Method A

Bring the oven (3.1.1) to 110 °C ± 2 °C. Heat the dish (3.1.2), with its lid, in the oven for about 1 h. Remove and allow to cool in the desiccator (3.1.4) to room temperature. Weigh the dish and lid to the nearest 0,005 g.