



SLOVENSKI STANDARD

SIST EN ISO 1110:1999

01-maj-1999

Polimerni materiali – Poliamidi – Pospešeno kondicioniranje preskušancev (ISO 1110:1995)

Plastics - Polyamides - Accelerated conditioning of test specimens (ISO 1110:1995)

Kunststoffe - Polyamide - Beschleunigte Konditionierung von Probekörpern (ISO 1110:1995)

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Plastiques - Polyamides - Conditionnement accéléré d'éprouvettes (ISO 1110:1995)

Ta slovenski standard je istoveten z: EN ISO 1110:1997

SIST EN ISO 1110:1999
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ICS:

83.080.20 Plastomeri

Thermoplastic materials

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en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 1110

November 1997

ICS 83.080.20

Descriptors: see ISO document

English version

Plastics - Polyamides - Accelerated conditioning of test specimens (ISO 1110:1995)

Plastiques - Polyamides - Conditionnement accéléré d'éprouvettes (ISO 1110:1995)

Kunststoffe - Polyamide - Beschleunigte Konditionierung von Probekörpern (ISO 1110:1995)

This European Standard was approved by CEN on 16 October 1997.

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 May 1998, and conflicting national standards shall be withdrawn at the latest by May 1998.

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.

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Endorsement notice

The text of the International Standard ISO 1110:1995 has been approved by CEN as a European Standard without any modification.

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NOTE: Normative references to International Standards are listed in annex ZA (normative).

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Annex ZA (normative)
Normative references to international publications
with their relevant European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 291		Plastics - Standard atmospheres for conditioning and testing	EN ISO 291	1997

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INTERNATIONAL
STANDARD

ISO
1110

Third edition
1995-02-01

**Plastics — Polyamides — Accelerated
conditioning of test specimens**

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Plastiques — Polyamides — Conditionnement accéléré d'éprouvettes
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Reference number
ISO 1110:1995(E)

ISO 1110:1995(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.

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.

International Standard ISO 1110 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 9, *Thermoplastic materials*.

This third edition cancels and replaces the second edition (ISO 1110:1987), which has been technically revised.

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Introduction

Various properties of polyamides (PA) depend upon their moisture content. Reproducible values of these properties can only be obtained with specimens having a specified moisture content. Such specimens are obtained by conditioning, i.e. by allowing them to reach equilibrium in an atmosphere with a specified temperature and relative humidity.

The rate of moisture absorption and, therefore, the rate of conditioning, is a function of the temperature. This rate is very low at room temperature. For example, a 4 mm thick test specimen of PA66 requires more than a year to attain its equilibrium moisture content in standard atmosphere 23/50 (see ISO 291). To condition specimens in a relatively short period of time, higher temperatures are required. Such a method for accelerated conditioning is presented in this International Standard.

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