SLOVENSKI STANDARD
SIST EN ISO 75-2:2013

01-december-2013

Nadomešča:
SIST EN ISO 75-2:2004
SIST EN ISO 75-2:2004/AC:2006

Polimerni materiali - Določanje temperature upogiba pod obremenitvijo - 2. del: Polimerni materiali in ebonit (ISO 75-2:2013)

Plastics - Determination of temperature of deflection under load - Part 2: Plastics and ebonite (ISO 75-2:2013)

Kunststoffe - Bestimmung der Wärmeformbeständigkeitstemperatur - Teil 2: Kunststoffe und Hartgummi (ISO 75-2:2013)

Plastiques - Détermination de la température de fléchissement sous charge - Partie 2: Plastiques et ébonite (ISO 75-2:2013)

Ta slovenski standard je istoveten z: **EN ISO 75-2:2013**

ICS:

83.080.01	Polimerni materiali na splošno	Plastics in general

SIST EN ISO 75-2:2013 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 75-2

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ICS 83.080.10

Supersedes EN ISO 75-2:2004

English Version

Plastics - Determination of temperature of deflection under load - Part 2: Plastics and ebonite (ISO 75-2:2013)

Plastiques - Détermination de la température de fléchissement sous charge - Partie 2: Plastiques et ébonite (ISO 75-2:2013)

Kunststoffe - Bestimmung der Wärmeformbeständigkeitstemperatur - Teil 2: Kunststoffe und Hartgummi (ISO 75-2:2013)

This European Standard was approved by CEN on 21 March 2013.

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COMITÉ EUROPÉEN DE NORMALISATION
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Foreword

This document (EN ISO 75-2:2013) 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 NBN.

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of an identical text or by endorsement, at the latest by October 2013, and conflicting national standards shall be withdrawn at the latest by October 2013.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 75-2:2004.

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

Endorsement notice

The text of ISO 75-2:2013 has been approved by CEN as EN ISO 75-2:2013 without any modification.

INTERNATIONAL STANDARD

ISO 75-2

Third edition
2013-04-15

Plastics — Determination of temperature of deflection under load —

Part 2: Plastics and ebonite

Plastiques — Détermination de la température de fléchissement sous charge —

Partie 2: Plastiques et ébonite

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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.

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.

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ISO 75-2 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 2, *Mechanical properties*.

This third edition cancels and replaces the second edition (ISO 75-2:2004), which has been technically revised. In particular, Clause 5 and Annex A have been updated.

ISO 75 consists of the following parts, under the general title *Plastics — Determination of temperature of deflection under load*:

— *Part 1: General test method*

— *Part 2: Plastics and ebonite*

— *Part 3: High-strength thermosetting laminates and long-fibre-reinforced plastics*

Introduction

The first editions of ISO 75-1 and this part of ISO 75 described three methods (A, B and C) using different test loads and two specimen positions, edgewise and flatwise. For testing in the flatwise position, test specimens with dimensions 80 mm × 10 mm × 4 mm were required. These can be moulded directly or machined from the central section of the multipurpose test specimen (see ISO 20753).

The previous (i.e. second) editions of ISO 75-1 and this part of ISO 75 specified the flatwise test position as preferred, while still allowing testing in the edgewise position with test conditions given in Annex A until the next revision of ISO 75-1 and this part of ISO 75, as agreed in ISO/TC 61/SC2/WG 5. Therefore, with this revision, the edgewise test position will be removed.

Technical development of testing instruments in recent years made instruments based on a fluidized bed or air ovens available. These are especially advantageous for use at temperatures at which the common silicone oil-based heat transfer fluids reach their limit of thermal stability. The fluidized bed and air oven methods of heat transfer are introduced in ISO 75-1.

An additional precision statement covering the new heating methods is introduced in this part of ISO 75.