SLOVENSKI STANDARD
SIST EN ISO 4589-3:2017

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Nadomešča:

SIST EN ISO 4589-3:1999

Polimerni materiali - Določanje gorljivosti s kisikovim indeksom - 3. del: Preskus pri zvišani temperaturi (ISO 4589-3:2017)

Plastics - Determination of burning behaviour by oxygen index - Part 3: Elevated-temperature test (ISO 4589-3:2017)

Kunststoffe - Bestimmung des Brennverhaltens durch den Sauerstoff-Index - Teil 3: Prüfung bei erhöhter Temperatur (ISO 4589-3:2017)

Plastiques - Détermination du comportement au feu au moyen de l'indice d'oxygène - Partie 3: Essai à haute température (ISO 4589-3:2017)

Ta slovenski standard je istoveten z: **EN ISO 4589-3:2017**

ICS:

13.220.40	Sposobnost vžiga in obnašanje materialov in proizvodov pri gorenju	Ignitability and burning behaviour of materials and products
83.080.01	Polimerni materiali na splošno	Plastics in general

SIST EN ISO 4589-3:2017 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 4589-3

May 2017

ICS 13.220.40; 83.080.01

Supersedes EN ISO 4589-3:1996

English Version

Plastics - Determination of burning behaviour by oxygen index - Part 3: Elevated-temperature test (ISO 4589-3:2017)

Plastiques - Détermination du comportement au feu au moyen de l'indice d'oxygène - Partie 3: Essai à haute température (ISO 4589-3:2017)

Kunststoffe - Bestimmung des Brennverhaltens durch den Sauerstoff-Index - Teil 3: Prüfung bei erhöhter Temperatur (ISO 4589-3:2017)

This European Standard was approved by CEN on 20 March 2017.

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Ref. No. EN ISO 4589-3:2017 E

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European foreword

This document (EN ISO 4589-3:2017) 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of an identical text or by endorsement, at the latest by November 2017 and conflicting national standards shall be withdrawn at the latest by November 2017.

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.

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Endorsement notice

The text of ISO 4589-3:2017 has been approved by CEN as EN ISO 4589-3:2017 without any modification.

INTERNATIONAL STANDARD

ISO 4589-3

Second edition
2017-04

Plastics — Determination of burning behaviour by oxygen index —

Part 3: Elevated-temperature test

Plastiques — Détermination du comportement au feu au moyen de l'indice d'oxygène —
Partie 3: Essai à haute température

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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 on 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 the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 4, *Burning behaviour*.

This second edition cancels and replaces the first edition (ISO 4589-3:1996), which has been technically revised.

A list of all parts in the ISO 4589 series can be found on the ISO website.

Introduction

This document has been prepared to extend the methods available for the determination of flammability by oxygen index (OI) (see ISO 4589-2) to typical elevated temperatures to which a plastic material can be exposed in a service situation. It also provides a method for determining the temperature at which combustion of a small bar of material is just supported in air under certain test conditions; the resulting temperature is termed the flammability temperature.

This document is intended to be used in conjunction with ISO 4589-2 which describes the basic OI test method.

Results obtained in accordance with this document are not applicable to describe or appraise the fire hazard presented by a particular material or shape under actual fire conditions, unless used as one element of a fire risk assessment which takes into account all of the factors which are pertinent to the assessment of the fire hazard of a particular application for the material.