



SLOVENSKI STANDARD SIST EN ISO 1043-4:2000

01-maj-2000

Polimerni materiali - Simboli in kratice - 4. del: Zaviralci gorenja (ISO 1043-4:1998)

Plastics - Symbols and abbreviated terms - Part 4: Flame retardants (ISO 1043-4:1998)

Kunststoffe - Kennbuchstaben und Kurzzeichen - Teil 4: Flammenschutzmittel (ISO 1043-4:1998)

Plastiques - Symboles et abréviations - Partie 4: Ignifuges (ISO 1043-4:1998)

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Ta slovenski standard je istoveten z: EN ISO 1043-4:1999

<https://standards.iteh.ai/catalog/standards/sist/f041f37-e06f-46b9-a86e-cc160cdeca3/sist-en-iso-1043-4-2000>

ICS:

01.075	Simboli za znake	Character symbols
83.080.01	Polimerni materiali na splošno	Plastics in general

SIST EN ISO 1043-4:2000

en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 1043-4

May 1999

ICS 83.040.30; 83.080.01

English version

Plastics - Symbols and abbreviated terms - Part 4: Flame
retardants (ISO 1043-4:1998)

Plastiques - Symboles et abréviations - Partie 4: Ignifuges
(ISO 1043-4:1998)

Kunststoffe - Kennbuchstaben und Kurzzeichen - Teil 4:
Flammschutzmittel (ISO 1043-4:1998)

This European Standard was approved by CEN on 18 April 1999.

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

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EN ISO 1043-4:1999

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 November 1999, and conflicting national standards shall be withdrawn at the latest by November 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 1043-4:1998 has been approved by CEN as a European Standard without any modification.

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



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 1043-1	1997	Plastics - Symbols and abbreviated terms - Part 1: Basic polymers and their special characteristics	EN ISO 1043-1	1999
ISO 1043-3	1996	Plastics - Symbols and abbreviated terms - Part 3: Plasticizers	EN ISO 1043-3	1999

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INTERNATIONAL STANDARD

ISO
1043-4

First edition
1998-02-15

Plastics — Symbols and abbreviated terms —

Part 4: Flame retardants

*Plastiques — Symboles et abréviations —
Partie 4: Ignifuges*
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Reference number
ISO 1043-4:1998(E)

ISO 1043-4:1998(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.

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International Standard ISO 1043-4 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 1, *Terminology*.

ISO 1043 consists of the following parts, under the general title *Plastics — Symbols and abbreviated terms*:
<https://standards.iteh.ai/catalog/standards/sist/f041f37-e06f-46b9-a86e-cc160cdeca3/sist-en-iso-1043-4-2000>

- *Part 1: Basic polymers and their special characteristics*
- *Part 2: Fillers and reinforcing materials*
- *Part 3: Plasticizers*
- *Part 4: Flame retardants*

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Plastics — Symbols and abbreviated terms —

Part 4: Flame retardants

1 Scope

This part of ISO 1043 provides uniform symbols for flame retardants added to plastics materials. The symbols are written with the abbreviated term “FR” and one or more succeeding code numbers as given in clause 5. They are used in addition to the symbols for the plastics materials, for plastics material designation and for identification and marking of plastics products.

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2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 1043. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 1043 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 1043-1:1997, *Plastics — Symbols and abbreviated terms — Part 1: Basic polymers and their special characteristics.*

ISO 1043-2:1988, *Plastics — Symbols — Part 2: Fillers and reinforcing materials.*

ISO 1043-3:1996, *Plastics — Symbols and abbreviated terms — Part 3: Plasticizers.*

3 Definition

For the purposes of this part of ISO 1043, the following definition applies:

3.1 flame retardant: A substance that markedly retards the propagation of a flame.

NOTE — Included are flame retardants that are incorporated in prepolymers.

4 Application of symbols

The symbols are written with the abbreviated term “FR”, in capital letters, followed, without a space, by a two-digit code number enclosed in parentheses and selected, as appropriate, from the list given in clause 5. Only flame retardants exceeding 1 % (*m/m*) have to be identified. These symbols are used in addition to the symbols for a plastics material derived from parts 1, 2 and 3 of ISO 1043.