

SLOVENSKI STANDARD SIST EN ISO 14116:2015

01-december-2015

Nadomešča:

SIST EN ISO 14116:2008

Varovalna obleka - Zaščita pred učinki plamena - Materiali, kombinacije materialov in obleka z omejeno stopnjo gorljivosti (ISO 14116:2015)

Protective clothing - Protection against flame - Limited flame spread materials, material assemblies and clothing (ISO 14116:2015)

Schutzkleidung - Schutz gegen Flammen - Materialien, Materialkombinationen und Kleidung mit begrenzter Flammenausbreitung (ISO 14116:2015)

Vêtements de protection - Protection contres les flammes - Matériaux, assemblages de matériaux et vêtements à propagation de flamme limitée (ISO-141-1612015)

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Ta slovenski standard je istoveten z: EN ISO 14116:2015

ICS:

13.220.40 Sposobnost vžiga in Ignitability and burning

obnašanje materialov in behaviour of materials and

proizvodov pri gorenju products

13.340.10 Varovalna obleka Protective clothing

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EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN ISO 14116

July 2015

ICS 13.340.10

Supersedes EN ISO 14116:2008

English Version

Protective clothing - Protection against flame - Limited flame spread materials, material assemblies and clothing (ISO 14116:2015)

Vêtements de protection - Protection contre les flammes - Matériaux, assemblages de matériaux et vêtements à propagation de flamme limitée (ISO 14116:2015)

Schutzkleidung - Schutz gegen Flammen - Materialien, Materialkombinationen und Kleidung mit begrenzter Flammenausbreitung (ISO 14116:2015)

This European Standard was approved by CEN on 19 June 2015.

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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of 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 United Kingdom.

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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

EN ISO 14116:2015 (E)

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EN ISO 14116:2015 (E)

European foreword

This document (EN ISO 14116:2015) has been prepared by Technical Committee ISO/TC 94 "Personal safety - Protective clothing and equipment" in collaboration with Technical Committee CEN/TC 162 "Protective clothing including hand and arm protection and lifejackets" the secretariat of which is held by DIN

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 January 2016, and conflicting national standards shall be withdrawn at the latest by January 2016.

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 has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

This document supersedes EN ISO 14116:2008.

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.

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The text of ISO 14116:2015 has been approved by CEN as EN ISO 14116:2015 without any modification.

EN ISO 14116:2015 (E)

Annex ZA (informative)

Relationship between this European Standard and the Essential Requirements of EU Directive 89/686/EEC

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association to provide one means of conforming to Essential Requirements of the New Approach Directive 89/686/EEC on the approximation of the laws of the Member States relating to personal protective equipment.

Once this standard is cited in the Official Journal of the European Union under that Directive and has been implemented as a national standard in at least one Member State, compliance with the normative clauses of this International Standard given in Table ZA.1 confers, within the limits of the scope of this International Standard, a presumption of conformity with the corresponding Essential Requirements of that Directive and associated EFTA regulations.

Table ZA. — Correspondence between this International Standard and Directive 89/686/EEC

Clause(s)/sub- clause(s) of this European Standard	Essential Requirements (ERs) of Directive 89/686/EEC, Annex II iTeh STANDARD PREVI	Qualifying remarks
4.1, 4.4, 4.5,, , 6.3.	1.2.1 Absence of risks and other inherent nuisance i factors	
4.5.	1.3.1 Adaptation of PPE to user morphology 2015	4e2h_821e_
8, 9	1.4 Information supplied by the manufacture 116-2015	1020-0210
5.3	2.4 PPE subject to ageing	
6.2	1.3.2 Lightness and design strength	
6.1.	3.6.1 PPE constituent materials and other components	
8	2.12 PPE bearing identification marks related to health and safety	

WARNING: Other requirements and other EU Directives may be applicable to the products falling within the scope of this standard.

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INTERNATIONAL STANDARD

ISO 14116

Second edition 2015-07-01

Protective clothing — Protection against flame — Limited flame spread materials, material assemblies and clothing

Vêtements de protection — Protection contre les flammes — Matériaux, assemblages de matériaux et vêtements à propagation de

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Reference number ISO 14116:2015(E)

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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).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 94, Personal safety - Protective clothing and equipment, Subcommittee SC 13, and by Technical Committee CEN/TC 162, Protective clothing including hand and arm protection and lifejackets in collaboration. 14116:2015 https://standards.iteh.ai/catalog/standards/sist/6a7a3e7c-1ccc-4e2b-821e-

This second edition cancels and replaces the first edition (ISO 14116 2008), which has been technically revised to include the following changes:

- include test procedures for burst strength testing of woven materials;
- include new definition for determination of hole formation:
- modify clause in design requirements regarding garment overlaps;
- modify clause on sampling requirements;
- modify pre-treatment clause to include requirements for single use garments;
- modify clause for ageing due to washing (maximum number of cleaning procedures as indicated by the manufacturer);
- include new requirement for measuring property value for rating and classification;
- modify test procedure for the flame testing of labels, badges, and retro-reflective materials;
- include requirement and procedure for testing of hardware;
- include requirement and test procedure for burst strength testing of knitted materials;
- include requirement and test procedure for tensile strength testing of non-woven materials;
- include requirement and test procedure for tear strength testing of non-woven materials;
- modify requirement for tear strength of woven and non-woven materials;
- modify flame spread definition;

- modify requirement for flaming debris;
- modify afterflame requirement for flame spread of Index 3 materials;
- modify afterglow requirement for flame spread of Index 1, Index 2, and Index 3 materials.;
- include statement for flame spread testing in regard to interlining materials for Index 2 and Index 3 materials;
- include normative Annex for uncertainty of measurement;
- include normative Annex for measuring property value for rating and classification.

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