

SLOVENSKI STANDARD

SIST EN ISO 15496:2018

01-julij-2018

Nadomešča:

SIST EN ISO 15496:2004

SIST EN ISO 15496:2004/AC:2006

Tekstilije - Merjenje prepustnosti tekstilij za vodno paro pri kontroli kakovosti (ISO 15496:2018)

Textiles - Measurement of water vapour permeability of textiles for the purpose of quality control (ISO 15496:2018)

Textilien - Messung der Wasserdampfdurchlässigkeit von Textilien als Qualitätskontrolle (ISO 15496:2018)

Textiles - Mesurage de la perméabilité à la vapeur d'eau des textiles dans le but du contrôle qualité (ISO 15496:2018)

Ta slovenski standard je istoveten z: EN ISO 15496:2018

ICS:

59.080.01 Tekstilije na splošno Textiles in general

SIST EN ISO 15496:2018

en,fr,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 15496

May 2018

ICS 59.080.01

Supersedes EN ISO 15496:2004

English Version

**Textiles - Measurement of water vapour permeability of
textiles for the purpose of quality control (ISO
15496:2018)**

Textiles - Mesurage de la perméabilité à la vapeur
d'eau des textiles dans le but du contrôle qualité (ISO
15496:2018)

Textilien - Messung der Wasserdampfdurchlässigkeit
von Textilien als Qualitätskontrolle (ISO 15496:2018)

This European Standard was approved by CEN on 8 March 2018.

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.

iTeh STANDARD PREVIEW

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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (EN ISO 15496:2018) has been prepared by Technical Committee ISO/TC 38 “Textiles” in collaboration with Technical Committee CEN/TC 248 “Textiles and textile products” the secretariat of which is held by BSI.

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 2018, and conflicting national standards shall be withdrawn at the latest by November 2018.

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

This document supersedes EN ISO 15496:2004.

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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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The text of ISO 15496:2018 has been approved by CEN as EN ISO 15496:2018 without any modification.

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INTERNATIONAL STANDARD

ISO
15496

Second edition
2018-03

Textiles — Measurement of water vapour permeability of textiles for the purpose of quality control

*Textiles — Mesurage de la perméabilité à la vapeur d'eau des textiles
dans le but du contrôle qualité*

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

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ISO 15496:2018(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.

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 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 (standards.iteh.ai)

This document was prepared by Technical Committee ISO/TC 38, *Textiles*, Subcommittee SC 2, *Cleansing, finishing and water resistance tests*.
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<https://standards.iteh.ai/catalog/standards/sist/f3c1bd1-87e2-4bab-a5f8-4c1edcf85f69/iso-15496-2018>

This second edition cancels and replaces the first edition (ISO 15496:2004), which has been technically revised. It also incorporates the Technical Corrigendum ISO 15496:2004/Cor 1:2006.

The main changes compared to the previous edition are as follows:

- in the scope, it has been clarified that there is some limitation in the use of this method as it relates to ISO 11092;
- editorial changes have been made throughout the document, including to some symbols;
- in footnote 1, the list of suppliers of the membrane has been removed.

Textiles — Measurement of water vapour permeability of textiles for the purpose of quality control

1 Scope

This document describes a comparatively simple method for testing the water vapour permeability of textiles that will provide the manufacturer with a clearly recognized method for quality control within the plant.

The simple test method described in this document is not applicable for classifying the water vapour resistance of textiles against values relating to physiological effects specified in product standards, and particularly not those relating to personal protective equipment.

The method can be used for quality control but has some limitation in relation to ISO 11092, which gives a more comprehensive and relevant result for evaluation of water vapour penetration. [Annex A](#) provides further explanation of applicability.

This document cannot be used to compare results to other “dry dessicant” methods as they will not correlate. An explanation of the reasons can be found in [Annex C](#).

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3696, *Water for analytical laboratory use — Specification and test methods*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

3.1

water vapour permeability

μ_{WV}

characteristic of a textile material describing the amount of water vapour diffusing through the textile per square metre, per hour and per unit difference of water vapour pressure across the textile