



SLOVENSKI STANDARD

SIST EN ISO 105-S03:1999

01-marec-1999

Tekstilije - Preskušanje barvne obstojnosti - Del S03: Barvna obstojnost proti vulkaniziranju: odprta para (ISO 105-S03:1993)

Textiles - Tests for colour fastness - Part S03: Colour fastness to vulcanization: Open steam (ISO 105-S03:1993)

Textilien - Farbechtheitsprüfungen - Teil S03: Farbechtheit gegen Vulkanisieren: Offener Dampf (ISO 105-S03:1993)

Textiles - Essais de solidité des teintures - Partie S03: Solidité a la vulcanisation: Vapeur saturée (ISO 105-S03:1993)

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Ta slovenski standard je istoveten z: EN ISO 105-S03:1995

ICS:

59.080.01 Tekstilije na splošno Textiles in general

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EUROPEAN STANDARD

EN ISO 105-S03

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 1995

ICS 59.080.10

Descriptors: textiles, dyes, tests, vulcanizing tests, determination, colour fastness

English version

**Textiles - Tests for colour fastness - Part S03:
Colour fastness to vulcanization: Open steam
(ISO 105-S03:1993)**

Textiles - Essais de solidité des teintures -
Partie S03: Solidité à la vulcanisation: Vapeur
saturée (ISO 105-S03:1993)

Textilien - Farbechtheitsprüfungen - Teil S03:
Farbechtheit gegen Vulkanisieren: Offener Dampf
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This European Standard was approved by CEN on 1995-07-28. 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.

The European Standards exist 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.

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CEN

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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Ref. No. EN ISO 105-S03:1995 E

Foreword

The text of the International Standard from ISO/TC 38 "Textiles" of the International Organization for Standardization (ISO) has been taken over as a European Standard by the Technical Committee CEN/TC 248 "Textiles and textile products".

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 May 1996, and conflicting national standards shall be withdrawn at the latest by May 1996.

According to CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, 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 105-S03:1993 has been approved by CEN as a European Standard without any modification.

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

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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.

Publication	Year	Title	EN	Year
ISO 105- A01	1994	Textiles - Tests for colour fastness - Part A01: General principles of testing	EN ISO 105-A01	1994
ISO 105- A02	1993	Textiles - Tests for colour fastness - Part A02: Grey scale for assessing change in colour	EN 20105-A02	1994
ISO 105- A03	1993	Textiles - Tests for colour fastness - Part A03: Grey scale for assessing staining	EN 20105-A03	1994
ISO 139	1973	Textiles - Standard atmospheres For conditioning and testing	EN 20139	1992

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INTERNATIONAL
STANDARD

ISO
105-S03

Second edition
1993-10-01

Textiles — Tests for colour fastness —

Part S03:

Colour fastness to vulcanization: Open steam

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Textiles — Essais de solidité des teintures —

Partie S03: Solidité des teintures à la vulcanisation: Vapeur saturée

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Reference number
ISO 105-S03:1993(E)

ISO 105-S03:1993(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.

International Standard ISO 105-S03 was prepared by Technical Committee ISO/TC 38, *Textiles*, Sub-Committee SC 1, *Tests for coloured textiles and colorants*.

This second edition cancels and replaces the first edition (included in ISO 105-S:1978), of which it constitutes a minor revision.

ISO 105 was previously published in thirteen "parts", each designated by a letter (e.g. "Part A"), with publication dates between 1978 and 1985. Each part contained a series of "sections", each designated by the respective part letter and by a two-digit serial number (e.g. "Section A01"). These sections are now being republished as separate documents, themselves designated "parts" but retaining their earlier alphanumeric designations. A complete list of these parts is given in ISO 105-A01.

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International Organization for Standardization
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Textiles — Tests for colour fastness —

Part S03:

Colour fastness to vulcanization: Open steam

1 Scope

This part of ISO 105 specifies a method for determining the resistance of the colour of textiles of all kinds and in all forms to the action of a typical rubber compound such as may be used in the proofing industry, and to its decomposition products, during vulcanization in open steam, either

- a) under conditions that prevent live steam from coming into contact with the specimen to be tested (method A) or
- b) under conditions that allow live steam to infiltrate into the adjacent fabric to be tested (method B).

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 105. 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 105 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 105-A01:1989, *Textiles — Tests for colour fastness — Part A01: General principles of testing.*

ISO 105-A02:1993, *Textiles — Tests for colour fastness — Part A02: Grey scale for assessing change in colour.*

ISO 105-A03:1993, *Textiles — Tests for colour fastness — Part A03: Grey scale for assessing staining.*

ISO 105-F:1985, *Textiles — Tests for colour fastness — Part F: Standard adjacent fabrics.*

ISO 105-F10:1989, *Textiles — Tests for colour fastness — Part F10: Specification for adjacent fabric: Multifibre.*

ISO 139:1973, *Textiles — Standard atmospheres for conditioning and testing.*

3 Principle

A specimen of the textile under test is heated in live steam in direct contact with an (initially) unvulcanized rubber compound, the textile material being wrapped in either

- a) sheeting impermeable to steam and water (method A) or
- b) undyed bleached cotton fabric, but ensuring that live steam is not prevented from infiltration into the specimen (method B).

The change in colour of the specimen and the staining of the adjacent fabric are assessed with the grey scales.

4 Apparatus and materials

4.1 Jacketed autoclave, capable of holding a steam pressure on both jacket and pan of 390 kPa.

4.2 Stainless-steel open-ended tube, of diameter 40 mm \pm 3 mm and wall thickness 2,5 mm \pm 0,5 mm.

4.3 Sheet of uncured rubber compound, 2,5 mm \pm 1,5 mm thick, consisting of the following:

- 100 parts pale crepe;