



SLOVENSKI STANDARD

SIST EN ISO 105-X10:1999

01-marec-1999

Tekstilije - Preskušanje barvne obstojnosti - Del X10: Ocenitev migracije tekstilnih barvil v polivinilkloridne nanose (ISO 105-X10:1993)

Textiles - Tests for colour fastness - Part X10: Assessment of migration of textile colours into polyvinyl chloride coatings (ISO 105-X10:1993)

Textilien - Farbechtheitsprüfungen - Teil X10: Bestimmung der Migration von Textilfarbstoffen in Polyvinylchlorid-Beschichtungen (ISO 105-X10:1993)

Textiles - Essais de solidité des teintures - Partie X10: Evaluation de la migration des teintures des textiles dans les enductions de polychlorure de vinyle (ISO 105-X10:1993)

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Ta slovenski standard je istoveten z: **EN ISO 105-X10:1995**

ICS:

59.080.01 Tekstilije na splošno Textiles in general

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EUROPEAN STANDARD

EN ISO 105-X10

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 1995

ICS 59.080.10

Descriptors: textiles, coated fabrics, polyvinyl chloride, fabrics coated with plastics, dyes, tests, determination, colour fastness

English version

**Textiles - Tests for colour fastness - Part X10:
Assessment of migration of textile colours into
polyvinyl chloride coatings (ISO 105-X10:1993)**

Textiles - Essais de solidité des teintures -
Partie X10: Evaluation de la migration des
teintures des textiles dans les enductions de
polychlorure de vinyle (ISO 105-X10:1993)

Textilien - Farbechtheitsprüfungen - Teil X10:
Bestimmung der Migration von Textilfarbstoffen
in Polyvinylchlorid-Beschichtungen
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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-X10:1995 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-X10:1993 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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 105- A01	1994	Textiles - Tests for colour fastness - Part A01: General principles of testing	EN ISO 105-A01	1994
ISO 105- A03	1993	Textiles - Tests for colour fastness - Part A03: Grey scale for assessing staining	EN 20105-A03	1994

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INTERNATIONAL
STANDARD

ISO
105-X10

Fourth edition
1993-11-01

Textiles — Tests for colour fastness —

Part X10:

Assessment of migration of textile colours into
polyvinyl chloride coatings
(standards.iteh.ai)

Textiles — Essais de solidité des teintures —

*Partie X10: Évaluation de la migration des teintures des textiles dans les
enductions de polychlorure de vinyle*



Reference number
ISO 105-X10:1993(E)

ISO 105-X10:1993(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-X10 was prepared by Technical Committee ISO/TC 38, *Textiles*, Sub-Committee SC 1, *Tests for coloured textiles and colorants*.

This fourth edition cancels and replaces the third edition (ISO 105-X10:1987), 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 X10:

Assessment of migration of textile colours into polyvinyl chloride coatings

1 Scope

This part of ISO 105 specifies a method for determining the resistance of the colour in textile fabrics to migration into polyvinyl chloride (PVC) which contains plasticizer.

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

3 Principle

A specimen of a textile impregnated with plasticizer is brought into contact with a white pigmented polyvinyl chloride foil and kept under pressure at 80 °C. Then the specimen and excess plasticizer are removed from the foil and the staining of the foil is assessed with the grey scale.

4 Apparatus and reagents

4.1 Testing device, consisting of a frame of stainless steel into which a weight-piece of mass 5 kg and base 60 mm × 115 mm is closely fitted, so that a pressure of 12,5 kPa can be applied to test specimens measuring 40 mm × 100 mm placed between glass or acrylic resin plates. Up to 10 specimens can be tested simultaneously, each one separated by a glass plate. If the weight-piece is removed during the test, the testing device shall be so constructed that the pressure of 12,5 kPa remains unchanged.

NOTE 1 Other devices may be used, provided that the same results are obtained as with the apparatus described here.

4.2 Oven, maintained at 80 °C ± 2 °C.

4.3 Graduated pipette or dropping tube, with which the plasticizer can be applied.

4.4 White pigmented polyvinyl chloride foil, of thickness 0,5 mm ± 0,1 mm.

If ready-for-use white pigmented polyvinyl chloride foil cannot be obtained, it may be prepared as follows:

A mixture of

— 65 g of polyvinyl chloride powder,

— 2 g of stabilizer and

— 5 g of titanium dioxide

is thoroughly stirred with 35 g of dioctyl phthalate.