

SLOVENSKI STANDARD

SIST EN ISO 105-G02:1999

01-marec-1999

Tekstilije - Preskušanje barvne obstojnosti - Del G02: Barvna obstojnost proti sežignim plinom (ISO 105-G02:1993, vključno s tehničnim popravkom 1:1995)

Textiles - Tests for colour fastness - Part G02: Colour fastness to burnt-gas fumes (ISO 105-G02:1993, including Technical Corrigendum 1:1995)

Textilien - Farbechtheitsprüfungen - Teil G02: Farbechtheit gegen Verbrennungsgase (ISO 105-G02:1993, einschließlich Technische Korrektur 1:1995)

Textiles - Essais de solidité des teintures - Partie G02: Solidité des teintures aux fumées de gaz brûlés (ISO 105-G02:1993, Rectificatif Technique 1:1995 inclus)

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Ta slovenski standard je istoveten z: EN ISO 105-G02:1997

ICS:

59.080.01

Tekstilije na splošno

Textiles in general

SIST EN ISO 105-G02:1999

en

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EUROPEAN STANDARD

EN ISO 105-G02

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 1997

ICS 59.080.01

Descriptors: see ISO document

English version

**Textiles - Tests for colour fastness - Part G02:
Colour fastness to burnt-gas fumes
(ISO 105-G02:1993, including Technical
Corrigendum 1:1995)**

Textiles - Essais de solidité des teintures -
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This European Standard was approved by CEN on 1997-03-28. 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.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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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Foreword

The text of the International Standard from Technical Committee ISO/TC 38 "Textiles" of the International Organization for Standardization (ISO) has been taken over as an European Standard by 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 October 1997, and conflicting national standards shall be withdrawn at the latest by October 1997.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of 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-G02:1993, including Technical Corrigendum 1:1995 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 105-A01	1994	Textiles - Test for colour fastness - Part A01: General principles of testing	EN ISO 105-A01	1995
ISO 105-A02	1993	Textiles - Test for colour fastness - Part A02: Grey scale for assessing change in colour	EN 20105-A02	1994
ISO 105-C06	1987	Textiles - Test for colour fastness - Part C06: Colour fastness to domestic and commercial laundering	EN 20105-C06	1992
ISO 105-D01	1993	Textiles - Tests for colour fastness - Part D01: Colour fastness to dry cleaning	EN ISO 105-D01	1995

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INTERNATIONAL STANDARD

ISO
105-G02

Second edition
1993-10-01

Textiles — Tests for colour fastness —

Part G02:

Colour fastness to burnt-gas fumes

iTeh STANDARD PREVIEW
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Textiles — Essais de solidité des teintures —

Partie G02: Solidité des teintures aux fumées de gaz brûlés

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Reference number
ISO 105-G02:1993(E)

ISO 105-G02:1993(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-G02 was prepared by Technical Committee ISO/TC 38, *Textiles*, Sub-Committee SC 1, *Tests for coloured textiles and colorants*.

<https://standards.iteh.ai/catalog/standards/sist/b383256-d502-4dde-92fe-3158947519-edition-iso-105-g02-1999>

This second edition cancels and replaces the first edition (included in ISO 105-G: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.

Annexes A and B form an integral part of this part of ISO 105.

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Textiles — Tests for colour fastness —

Part G02:

Colour fastness to burnt-gas fumes

1 Scope

1.1 This part of ISO 105 specifies a method for determining the resistance of the colour of textiles of all kinds and in all forms, except loose fibres, to exposure to atmospheric oxides of nitrogen as derived from the combustion of chemically pure butane gas.

1.2 This method may be used for rating the colour fastness of dyes by applying the dye to textiles by a specified procedure and at a specified depth of colour and testing the dyed textiles.

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-C06:1987, *Textiles — Tests for colour fastness — Part C06: Colour fastness to domestic and commercial laundering*.

ISO 105-D01:1987, *Textiles — Tests for colour fastness — Part D01: Colour fastness to dry cleaning*.

3 Principle

A specimen of the textile and a test-control fabric are exposed simultaneously to oxides of nitrogen from burnt-gas fumes until the test control shows a change in colour corresponding to that of a standard of fading. The change in colour of the specimen is assessed with the grey scale. If no colour change is observed in the specimen after one exposure period or cycle, exposure may be continued for either a specified number of periods or for the number of periods required to produce a specified amount of colour change in the specimen.

4 Apparatus and materials

4.1 Exposure chamber (see annex A).

4.2 Test control (see annex B).

4.3 Standard of fading (see annex B).

4.4 Grey scale for assessing change in colour, complying with ISO 105-A02.

4.5 Butane gas, chemically pure, and a suitable burner.

Any gas burner may be used and either a yellow luminous or a blue-green flame is suitable, though the latter is to be preferred in order to minimize the for-