



SLOVENSKI STANDARD
SIST EN ISO 105-J02:1999
01-november-1999

Tekstilije - Preskušanje barvne obstojnosti - Del J02: Instrumentalno ocenjevanje relativne beline (IOS 105-J02:1997, vključno s Tehničnim popravkom 1:1998)

Textiles - Tests for colour fastness - Part J02: Instrumental assessment of relative whiteness (ISO 105-J02:1997, including Technical Corrigendum 1:1998)

Textilien - Farbechtheitsprüfungen - Teil J02: Instrumentelle Bestimmung des relativen Weißgrades (ISO 105-J02:1997, einschließlich Technische Korrektur 1:1998)

Textiles - Essais de solidité des teintures - Partie J02: Evaluation instrumentale de la blancheur relative (ISO 105-J02:1997, Rectificatif Technique 1:1998, inclus)

<https://standards.iteh.ai/catalog/standards/sist/2385839e-5566-458b-ba5f-fbb11b9fe34d/sist-en-iso-105-j02-1999>

Ta slovenski standard je istoveten z: EN ISO 105-J02:1999

ICS:

59.080.01 Tekstilije na splošno Textiles in general

SIST EN ISO 105-J02:1999 en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 105-J02

May 1999

ICS 59.080.01

English version

Textiles - Tests for colour fastness - Part J02: Instrumental
assessment of relative whiteness (ISO 105-J02:1997, including
Technical Corrigendum 1:1998)

Textiles - Essais de solidité des teintures - Partie J02:
Evaluation instrumentale de la blancheur relative (ISO 105-
J02:1997, Rectificatif Technique 1:1998, inclus)

Textilien - Farbechtheitsprüfungen - Teil J02: Instrumentelle
Bestimmung des relativen Weißgrades (ISO 105-J02:1997,
einschließlich Technische Korrektur 1:1998)

This European Standard was approved by CEN on 18 April 1999.

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.

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 Central Secretariat has the same status as the official versions.

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



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 November 1999, and conflicting national standards shall be withdrawn at the latest by November 1999.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, 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-J02:1997 has been approved by CEN as a European Standard without any modification.

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

[SIST EN ISO 105-J02:1999](https://standards.iteh.ai/catalog/standards/sist/2385839e-5566-458b-ba5f-fbb11b9fe34d/sist-en-iso-105-j02-1999)

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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-J01	1997	Textiles - Tests for colour fastness -Part J01: General principles for measurement of surface colour	EN ISO 105-J01	1999

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INTERNATIONAL
STANDARD

ISO
105-J02

Second edition
1997-12-15

**Textiles — Tests for colour fastness —
Part J02:
Instrumental assessment of relative whiteness**

Textiles — Essais de solidité des teintures —

Partie J02: Évaluation instrumentale de la blancheur relative

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Reference number
ISO 105-J02:1997(E)

ISO 105-J02:1997(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.

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International Standard ISO 105-J02 was prepared by Technical Committee ISO/TC 38, *Textiles*, Subcommittee SC 1, *Tests for coloured textiles and colorants*.

[SIST EN ISO 105-J02:1999](#)

This second edition ~~replaces and~~ ~~replaces~~ ~~the~~ ~~first~~ ~~edition~~ (ISO 105-J02:1987), which has been technically revised.

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.

Annex A forms an integral part of this part of ISO 105.

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Textiles — Tests for colour fastness —

Part J02:

Instrumental assessment of relative whiteness

1 Scope

1.1 This part of ISO 105 specifies a method intended for quantifying the whiteness and tint of textiles, including fluorescent materials.

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1.2 Whiteness as measured by this test method is an indication of how white the textile appears to an average viewer. Tint, if other than zero, is an indication of a reddish or greenish hue having shifted away from a bluish (neutral) hue with a dominant wavelength of 466 nm. The formulae for calculation of whiteness and tint are those recommended by the CIE¹⁾.

1.3 Because reflectance is affected by the nature of the surface of the textile, comparisons can be made only between specimens of the same type of textile.

1.4 The application of the formulae is restricted to specimens that are called "white" commercially, that do not differ much in colour and fluorescence and that are measured on the same instrument at nearly the same time. Within these restrictions, the formulae provide relative, but not absolute, evaluations of whiteness that are adequate for commercial use when employing measuring instruments having suitable modern and commercially available capabilities.

1) International Commission on Illumination, Vienna.