SLOVENSKI STANDARD
SIST EN ISO 105-E12:1999

01-marec-1999

Tekstilije - Preskušanje barvne obstojnosti - Del E12: Barvna obstojnost proti valjanju: alkalno valjanje (ISO 105-E12:1989)

Textiles - Tests for colour fastness - Part E12: Colour fastness to milling: Alkaline milling (ISO 105-E12:1989)

Textilien - Farbechtheitsprüfungen - Teil E12: Farbechtheit gegen Walken: Alkalische Walke (ISO 105-E12:1989)

iTeh STANDARD PREVIEW
(standards.iteh.ai)

Textiles - Essais de solidité des teintures - Partie E12: Solidité des teintures au foulon: Foulon alcalin (ISO 105-E12:1989)

SIST EN ISO 105-E12:1999
https://standards.iteh.ai/catalog/standards/sist/928b960b-da24-48d4-9819-21d9b20eab58/sist-en-iso-105-e12-1999

Ta slovenski standard je istoveten z: **EN ISO 105-E12:1997**

ICS:

59.080.01 Tekstilije na splošno Textiles in general

SIST EN ISO 105-E12:1999 **en**

2003-01.Slovenski inštitut za standardizacijo. Razmnoževanje celote ali delov tega standarda ni dovoljeno.

SIST EN ISO 105-E12:1999

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 105-E12:1999
https://standards.iteh.ai/catalog/standards/sist/928b960b-da24-48d4-9819-21d9b20eab58/sist-en-iso-105-e12-1999

SIST EN ISO 105-E12:1999

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 105-E12

April 1997

ICS 59.080.01

Descriptors: see ISO document

English version

Textiles - Tests for colour fastness - Part E12: Colour fastness to milling: Alkaline milling (ISO 105-E12:1989)

Textiles - Essais de solidité des teintures - Partie E12: Solidité des teintures au foulon: Foulon alcalin (ISO 105-E12:1989)

Textilien - Farbechtheitsprüfungen - Teil E12: Farbechtheit gegen Walken: Alkalische Walke (ISO 105-E12:1989)

iTeh STANDARD PREVIEW
(standards.iteh.ai)
SIST EN ISO 105-E12:1999
https://standards.iteh.ai/catalog/standards/sist/928b960b-da24-48d4-9819-21d9b20eab58/sist-en-iso-105-e12-1999

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

© 1997 CEN - All rights of exploitation in any form and by any means reserved worldwide for CEN national Members.

SIST EN ISO 105-E12:1999

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-E12:1989 has been approved by CEN as a European Standard without any modification.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

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

SIST EN ISO 105-E12:1999
https://standards.iteh.ai/catalog/standards/sist/928b960b-da24-48d4-9819-21d9b20eab58/sist-en-iso-105-e12-1999

SIST EN ISO 105-E12:1999

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 - 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-A03	1993	Textiles - Test for colour fastness - Part A03: Grey scale for assessing staining	EN 20105-A03	1994

iTeh STANDARD PREVIEW
(standards.iteh.ai)
SIST EN ISO 105-E12:1999
https://standards.iteh.ai/catalog/standards/sist/928b960b-da24-48d4-9819-21d9b20eab58/sist-en-iso-105-e12-1999

SIST EN ISO 105-E12:1999

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 105-E12:1999
https://standards.iteh.ai/catalog/standards/sist/928b960b-da24-48d4-9819-21d9b20eab58/sist-en-iso-105-e12-1999

SIST EN ISO 105-E12:1999

INTERNATIONAL STANDARD

ISO 105-E12

Third edition
1989-12-15

Textiles — Tests for colour fastness —

Part E12 :
Colour fastness to milling: Alkaline milling

iTeh STANDARD PREVIEW
(standards.iteh.ai)

Textiles — Essais de solidité des teintures —

Partie E12 : Solidité des teintures au foulon: Foulon alcalin

SIST EN ISO 105-E12:1999
https://standards.iteh.ai/catalog/standards/sist/928b960b-da24-48d4-9819-21d9b20eab58/sist-en-iso-105-e12-1999

Reference number
ISO 105-E12:1989(E)

SIST EN ISO 105-E12:1999

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 approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

International Standard ISO 105-E12 was prepared by Technical Committee ISO/TC 38, *Textiles*.

SIST EN ISO 105-E12:1999
https://standards.iteh.ai/catalog/standards/sist/928b960b-da24-48d4-9819-21d9b20eab58/sist-en-iso-105-e12-1999

This third edition cancels and replaces the second edition (ISO 105-E12:1987), of which it constitutes a technical revision.

ISO 105 was previously published in 13 "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.

© ISO 1989
All rights reserved. No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Organization for Standardization
Case Postale 56 • CH-1211 Genève 20 • Switzerland
Printed in Switzerland

SIST EN ISO 105-E12:1999

Textiles — Tests for colour fastness —

Part E12 :
Colour fastness to milling: Alkaline milling

1 Scope

This part of ISO 105 specifies a method for determining the resistance of the colour of wool and part-wool textiles to the action of soap and sodium carbonate solutions used in alkaline milling.

iTeh STANDARD PREVIEW
(standards.iteh.ai)
SIST EN ISO 105-E12:1999
https://standards.iteh.ai/catalog/standards/sist/928b960b-da24-48d4-9819-21d9b20eab58/sist-en-iso-105-e12-1999

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-A02:1987, *Textiles — Tests for colour fastness — Part A02: Grey scale for assessing change in colour.*

ISO 105-A03:1987, *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.*

3 Principle

A specimen of the textile in contact with one or two specified adjacent fabrics is milled in a jar containing steel balls and a solution of soap and sodium carbonate. The severity of the action is controlled by means of a test-control dyeing milled separately in the same way. After rinsing and drying, the change in colour of the specimen and the staining of the adjacent fabrics are assessed with the grey scales.

4 Apparatus and reagents

4.1 Suitable mechanical device (see 8.1), consisting of a water bath containing a rotatable shaft which supports, radially, glass or stainless steel containers (75 mm ± 5 mm diameter × 125 mm ± 10 mm high) of approximately 550 ml ± 50 ml capacity, the bottom of the containers being 45 mm ± 10 mm high from the centre of the shaft. The shaft/container assembly is rotated at a frequency of 40 min^{-1} ± 2 min^{-1}. The temperature of the water bath is thermostatically controlled to maintain the test solution at the prescribed temperature of 40 °C ± 2 °C .

4.2 Non-corrodible (stainless) steel balls, approximately 6 mm in diameter.

4.3 Adjacent fabrics (see ISO 105-A01:1989, subclause 8.3).

Either:

4.3.1 A multifibre adjacent fabric complying with ISO 105-F10.

Or: