



NSAI
Standards

Irish Standard
I.S. EN ISO 105-P01:1995

Textiles - Tests for colour fastness - Part P01: Colour fastness to dry heat (excluding pressing) (ISO 105-P01:1993)

I.S. EN ISO 105-P01:1995

Incorporating amendments/corrigenda/National Annexes issued since publication:

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NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

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National Foreword

I.S. EN ISO 105-P01:1995 is the adopted Irish version of the European Document EN ISO 105-P01:1995, Textiles - Tests for colour fastness - Part P01: Colour fastness to dry heat (excluding pressing) (ISO 105-P01:1993)

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EUROPEAN STANDARD

EN ISO 105-P01

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 1995

ICS 59.080.10

Descriptors: Textiles, dyeing, dyes, printing, colour fastness, dyeing tests, dry heat tests, water vapor tests

English version

**Textiles - Tests for colour fastness - Part P01:
Colour fastness to dry heat (excluding pressing)
(ISO 105-P01:1993)**

Textiles - Essais de solidité des teintures -
Partie P01: Solidité des teintures à la chaleur
sèche (à l'exclusion du repassage)
(ISO 105-P01:1993)

Textilien - Farbechtheitsprüfungen - Teil P01:
Bestimmung der Trockenhitzebeständigkeit
(ausgenommen Bügeln) (ISO 105-P01:1993)

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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.

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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-P01:1995 E

Foreword

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

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of an identical text or by endorsement, at the latest by July 1995, and conflicting national standards shall be withdrawn at the latest by July 1995.

According to the 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, United Kingdom.

Endorsement notice

The text of the International Standard ISO 105-P01:1993 has been approved by CEN as a European Standard without any modification.

NOTE: Normative references to international publications 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 (including amendments).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
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-P01**

Second edition
1993-10-01

Textiles — Tests for colour fastness —

Part P01:

Colour fastness to dry heat (excluding
pressing)

Textiles — Essais de solidité des teintures —

*Partie P01: Solidité des teintures à la chaleur sèche (à l'exclusion du
repassage)*



Reference number
ISO 105-P01:1993(E)

ISO 105-P01:1993(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-P01 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-P: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 P01:

Colour fastness to dry heat (excluding pressing)

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 to the action of dry heat, excluding pressing, as it is used to stabilize the size and form of textiles.

1.2 Three tests differing in temperature are provided; one or more of them may be used, depending on the requirements and the stability of the fibres.

1.3 This method is not intended for the assessment of colour change during crease-resist or dyeing processes.

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 in contact with either one or two specified adjacent fabrics is heated by close contact with a medium which is heated to the required temperature. The change in colour of the specimen, and the staining of the adjacent fabric(s), are assessed with the grey scales.

4 Apparatus and materials

4.1 Heating device, equipped with two plates heated by an electrical heating system, accurately controllable, which allows the composite specimen to be set in a flat position under a pressure of

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