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Standards

Irish Standard
I.S. EN ISO 105-C06:2010

Textiles - Tests for colour fastness - Part C06: Colour fastness to domestic and commercial laundering (ISO 105-06:2010)

I.S. EN ISO 105-C06:2010

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English Version

**Textiles - Tests for colour fastness - Part C06: Colour fastness
to domestic and commercial laundering (ISO 105-C06:2010)**

Textiles - Essais de solidité des coloris - Partie C06:
Solidité des coloris aux lavages domestiques et industriels
(ISO 105-C06:2010)

Textilien - Farbechtheitsprüfungen - Teil C06: Farbechtheit
bei der Haushaltswäsche und der gewerblichen Wäsche
(ISO 105-C06:2010)

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Contents

Page

Foreword.....	3
----------------------	----------

Foreword

This document (EN ISO 105-C06:2010) has been prepared by Technical Committee ISO/TC 38 "Textiles" in collaboration with 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of an identical text or by endorsement, at the latest by September 2010, and conflicting national standards shall be withdrawn at the latest by September 2010.

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I.S. EN ISO 105-C06:2010
**INTERNATIONAL
STANDARD**

**ISO
105-C06**

Fourth edition
2010-03-15

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

Textiles — Essais de solidité des coloris —

Partie C06: Solidité des coloris aux lavages domestiques et industriels



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Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Principle.....	2
4 Apparatus, materials and reagents	2
5 Test specimen.....	6
6 Test procedures.....	6
7 Test report.....	8
Bibliography.....	9

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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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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ISO 105-C06 was prepared by Technical Committee ISO/TC 38, *Textiles*, Subcommittee SC 1, *Tests for coloured textiles and colorants*.

This fourth edition cancels and replaces the third edition (ISO 105-C06:1994). It also incorporates ISO 105-C06:1994/Cor. 1:2002 and ISO 105-C06:1994/Cor. 2:2002. Clause 4 has been technically revised to include the use of instrumental measurement and correction to AATCC detergent formula and dated references have been removed from Clause 2.

ISO 105 consists of many parts designated by a part letter and a two-digit serial number (e.g. A01), under the general title *Textiles — Test for colour fastness*. A complete list of these parts is given in ISO 105-A01.

Textiles — Tests for colour fastness —

Part C06:

Colour fastness to domestic and commercial laundering

1 Scope

This part of ISO 105 specifies methods intended for determining the resistance of the colour of textiles of all kinds and in all forms to domestic or commercial laundering procedures used for normal household articles using a reference detergent. Industrial and hospital articles may be subjected to special laundering procedures which may be more severe in some aspects.

The colour loss and staining resulting from desorption and/or abrasive action in one single (S) test closely approximates to one commercial or domestic laundering. The results of one multiple (M) test may in some cases be approximated by the results of up to five domestic or commercial launderings at temperatures not exceeding 70 °C. The M tests are more severe than the S tests because of an increase in mechanical action.

These methods do not reflect the effect of optical brighteners present in commercial washing products.

These methods are designed for the detergents and bleach systems given. Other detergents and bleach systems may require different conditions and levels of ingredients.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 105-A01, *Textiles — Tests for colour fastness — Part A01: General principles of testing*

ISO 105-A02, *Textiles — Tests for colour fastness — Part A02: Grey scale for assessing change in colour*

ISO 105-A03, *Textiles — Tests for colour fastness — Part A03: Grey scale for assessing staining*

ISO 105-A04, *Textiles — Tests for colour fastness — Part A04: Method for the instrumental assessment of the degree of staining of adjacent fabrics*

ISO 105-A05, *Textiles — Tests for colour fastness — Part A05: Instrumental assessment of change in colour for determination of grey scale rating*

ISO 105-F01, *Textiles — Tests for colour fastness — Part F01: Specification for wool adjacent fabric*

ISO 105-F02, *Textiles — Tests for colour fastness — Part F02: Specification for cotton and viscose adjacent fabrics*

ISO 105-F03, *Textiles — Tests for colour fastness — Part F03: Specification for polyamide adjacent fabric*

ISO 105-F04, *Textiles — Tests for colour fastness — Part F04: Specification for polyester adjacent fabric*

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