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NSAI Standards

Irish Standard
I.S. EN ISO 105-X16:2016

Textiles - Tests for colour fastness - Part X16: Colour fastness to rubbing - Small areas (ISO 105-X16:2016)

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National Foreword

I.S. EN ISO 105-X16:2016 is the adopted Irish version of the European Document EN ISO 105-X16:2016, Textiles - Tests for colour fastness - Part X16: Colour fastness to rubbing - Small areas (ISO 105-X16:2016)

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 105-X16

June 2016

ICS 59.080.01

Supersedes EN ISO 105-X16:2002

English Version

Textiles - Tests for colour fastness - Part X16: Colour fastness to rubbing - Small areas (ISO 105-X16:2016)

Textiles - Essais de solidité des coloris - Partie X16: Solidité des coloris au frottement - Petites surfaces (ISO 105-X16:2016)

Textilien - Farbechtheitsprüfungen - Teil X16: Farbechtheit gegen Reiben - Kleine Flächen (ISO 105-X16:2016)

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European foreword

This document (EN ISO 105-X16:2016) 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of an identical text or by endorsement, at the latest by December 2016, and conflicting national standards shall be withdrawn at the latest by December 2016.

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INTERNATIONAL STANDARD

ISO 105-X16

Second edition
2016-06-01

Textiles — Tests for colour fastness —

Part X16: Colour fastness to rubbing — Small areas

Textiles — Essais de solidité des coloris —

Partie X16: Solidité des coloris au frottement — Petites surfaces

Reference number
ISO 105-X16:2016(E)

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information.

The committee responsible for this document is ISO/TC 38, *Textiles*, Subcommittee SC 1, *Tests for coloured textiles and colorants*.

This second edition cancels and replaces the first edition (ISO 105-X16:2001), of which it constitutes a minor revision.

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 — Tests for colour fastness*. A complete list of these parts is given in ISO 105-A01.

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Textiles — Tests for colour fastness —

Part X16: Colour fastness to rubbing — Small areas

1 Scope

This part of ISO 105 specifies a method for determining the resistance of the colour of textiles to rubbing off and staining other materials where the singling out of areas smaller than possible to test with the apparatus described in ISO 105-X12 is required.

Two tests may be made, one with a dry rubbing cloth and one with a wet rubbing cloth.

2 Normative references

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

ISO 105-A01:2010, *Textiles — Tests for colour fastness — Part A01: General principles of testing*

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

ISO 105-F09, *Textiles — Tests for colour fastness — Part F09: Specification for cotton rubbing cloth*

ISO 139, *Textiles — Standard atmospheres for conditioning and testing*

3 Principle

Specimens of the textile are rubbed with a dry rubbing cloth and with a wet rubbing cloth. The method is specifically designed for small areas of printed or otherwise coloured fabric where the singling out of areas smaller than possible to test with the standard rubbing device found in method ISO 105-X12 is required.

4 Apparatus

4.1 Suitable testing devices for determining the colour fastness to rubbing, using an alternating rotary motion and a single test finger of (25 ± 0,1) mm diameter mounted on a vertical weighted rod that rotates (405 ± 3)° with a downward force of (11,1 ± 0,5) N.

Another device has a test finger of (16 ± 0,1) mm diameter with the same downward force.

NOTE A suitable apparatus is described in Reference [1], AATCC Test Method 116. Other devices can be used provided that the same results are obtained as with the apparatus described in 4.1. There is no known correlation of results between the device used in this method and two methods described in ISO 105-X12.

4.2 Cotton rubbing cloth, desized, bleached, without finish, cut into 50 mm squares (±2 mm) for the finger used in 4.1 (see ISO 105-F09).

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