Tekstiil. Värvipüsivuse katsed. Osa B10: Ilmastikumõjutuste imiteerimine. Mõjutamine filtreeritud ksenoonkaarekiirgusega (ISO 105-B10:2011)

Textiles - Tests for colour fastness - Part B10: Artificial weathering - Exposure to filtered xenon-arc radiation (ISO 105-B10:2011)

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NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 105-B10:2011 sisaldab Euroopa standardi EN ISO 105-B10:2011 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 105-B10:2011 consists of the English text of the European standard EN ISO 105-B10:2011.
Standard on kinnitatud Eesti Standardikeskuse 31.10.2011 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.	This standard is ratified with the order of Estonian Centre for Standardisation dated 31.10.2011 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.
Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 01.10.2011.	Date of Availability of the European standard text 01.10.2011.
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Textiles - Essais de solidité des coloris - Partie B10: Exposition aux intempéries artificielles - Exposition au rayonnement filtré d'une lampe à arc au xénon (ISO 105-B10:2011)

Textilien - Farbechtheitsprüfungen - Teil B10: Künstliche Bewitterung - Belichtung mit gefilterter Xenonbogenstrahlung (ISO 105-B10:2011)

This European Standard was approved by CEN on 30 September 2011.

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Foreword

This document (EN ISO 105-B10:2011) 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of an identical text or by endorsement, at the latest by April 2012, and conflicting national standards shall be withdrawn at the latest by April 2012.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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Endorsement notice

The text of ISO 105-B10:2011 has been approved by CEN as a EN ISO 105-B10:2011 without any modification.

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Introduction

All four exposure conditions described in this part of ISO 105 are different from the method described in ISO 105-B04. This part of ISO 105 is not intended to replace ISO 105-B04 but to specify additional test options. Nevertheless, ISO/TC 38 might consider withdrawing ISO 105-B04 at a later date, after the textile industry has been able to achieve comprehensive experience using this part of ISO 105.

Textiles — Tests for colour fastness —

Part B10:
Artificial weathering — Exposure to filtered xenon-arc radiation

1 Scope

This part of ISO 105 specifies a procedure for exposing textiles to artificial weathering in xenon-arc apparatus, including the action of liquid water and water vapour, in order to determine the weather resistance of the colour of textiles. The exposure is carried out in a test chamber with a filtered xenon-arc light source simulating solar spectral irradiance according to CIE 85:1989, Table 4. The method can be used either for determining the colour fastness or the ageing behaviour of the textile under test. The method is also applicable to white (bleached or optically brightened) textiles.

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-A01:2010, *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-A05, *Textiles — Tests for colour fastness — Part A05: Instrumental assessment of change in colour for determination of grey scale rating*

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

ISO 4892-1, *Plastics — Methods of exposure to laboratory light sources — Part 1: General guidance*

ISO 9370, *Plastics — Instrumental determination of radiant exposure in weathering tests — General guidance and basic test method*

CIE[1)] Publication No. 15, *Colorimetry* (Third edition)

CIE Publication No. 51.2, *A method for assessing the quality of daylight simulators for colorimetry*

CIE Publication No. 85:1989, *Solar spectral irradiance*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1
reference material
material of known performance

3.2
reference specimen
portion of the reference material that is to be exposed

1) Commission Internationale de l'Éclairage, CIE Central Bureau, Kegelgasse 27, A-1030 Vienna, Austria; http://www.cie.co.at.