International Standard

ISO 105-X11

Textiles — Tests for colour fastness —

Part X11: Colour fastness to hot pressing

Textiles — Essais de solidité des coloris —

Partie X11: Solidité des coloris au pressage à chaud

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Foreword

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This document was prepared by Technical Committee ISO/TC 38, *Textiles*, Subcommittee SC 1, *Tests for coloured textiles and colorants,* in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 248, *Textiles and textile products,* in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This fifth edition cancels and replaces the fourth edition (ISO 105-X11:1994), which has been technically revised.

The main changes are as follows:

— in subclause 7.1.1, the pressing temperatures have been changed to 120 °C, 160 °C and 210 °C, instead of 110 °C, 150 °C and 200 °C, in line with the ISO 3758:2023.

A list of all parts in the ISO 105 series can be found on the ISO website.

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Textiles — Tests for colour fastness —

Part X11:
Colour fastness to hot pressing

1 Scope

This document specifies a method for determining the resistance of the colour of textiles of all kinds and in all forms to ironing and to processing on hot cylinders.

This document is applicable for hot pressing when the textile is dry, damp or wet which is determined by the end-use of the textile.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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-A03, *Textiles — Tests for colour fastness — Part A03: Grey scale for assessing staining*

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

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

ISO 3696:1987, *Water for analytical laboratory use — Specification and test methods*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

4 Principle

4.1 Dry pressing

A dry test specimen is pressed with a heating device at a specified temperature and pressure for a specified time.

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