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**Textiles - Tests for colour fastness -
Colour fastness to transfer in joints**

纺织品 色牢度试验 拼接互染色牢度

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Table of Contents

Foreword	3
1 Scope	4
2 Normative references	4
3 Principle.....	4
4 Equipment	5
5 Reagents and materials	6
6 Sample preparation	6
7 Operating procedures.....	7
8 Test report.....	8

Textiles - Tests for colour fastness -

Colour fastness to transfer in joints

1 Scope

This Standard specifies two test methods for determining the colour fastness to transfer in joints of textiles, namely the washing method and the soaking method.

This Standard applies to all kinds of textiles that are stitched from dark and light-colored textiles. Non-stitched textiles can implement by reference.

2 Normative references

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

GB/T 251, Textiles - Tests for colour fastness - Grey scale for assessing staining

GB/T 1914, Chemical analytical filter paper

GB/T 6682, Water for analytical laboratory use - Specification and test methods

FZ/T 01023, Instrumental assessment of the degree of staining of adjacent fabrics

3 Principle

3.1 Washing method

Place the sample in the specified washing solution; perform a mechanical agitation under the conditions of the specified bath ratio, time and temperature; wash and dry; then, use the grey scale for assessing staining or the instrument to assess the staining of the sample.

3.2 Soaking method

pressure requirements of the sample, the combined samples can be cut directly at the joint.

7 Operating procedures

7.1 Method A -- washing method

7.1.1 Use a balance (4.5) to weigh 4 g of ECE standard washing agent (5.1); prepare it, together with grade-3 water (5.2), into 1 L of washing solution; preheat to $(40 \pm 2)^{\circ}\text{C}$ for future use.

Put the combined sample and the preheated washing solution into a washing cup at the bath ratio of 50:1; put it into the test device A (4.1) and run it at $(40 \pm 2)^{\circ}\text{C}$ for 30 min.

Note: Other test temperatures can also be used after the agreement of the relevant parties; however, it shall be stated in the test report.

7.1.2 Take out the combined sample after washing; use running water to rinse to clean; then, squeeze out excess water; finally, use a filter paper (5.3) to absorb excess water.

7.1.3 Use a clip to clamp the unjointed end of the dark sample; hang it in the air that does not exceed 60°C to dry.

7.1.4 Use the grey scale for assessing staining (5.4) or the instrument (5.5) to assess the staining of light-colored sample.

7.2 Method B -- soaking method

7.2.1 Use a balance (4.5) to weigh 4 g of ECE standard washing agent (5.1); prepare it, with grade-3 water (5.2), into 1 L of solution; cool to room temperature.

7.2.2 Place a combined sample flat in a flat-bottomed container; inject the solution that is prepared according to 7.2.1 to make it completely wet; the bath ratio is 50:1. Place it at room temperature for 30 minutes; press and stir it from time to time, so as to ensure that the test solution can penetrate into the sample fully and uniformly. Take out the sample; pour off the residual solution; use two glass rods to clamp the excess test solution on the combined sample.

7.2.3 Place the combined sample flat in the middle of the two glass or acrylic resin plates of the test device B (4.2); make the vertical pressure of the sample at (12.5 ± 0.9) kPa.

Note: 10 combined samples, at most, can be placed on each test device for testing at the same time; each sample is separated by a plate (11 in total)

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Contact: Wayne Zheng, Sales@ChineseStandard.net

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