



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 36971-2018

**Textiles -- Tests for colour fastness -- Assessment of migration
of textile colours into polyvinyl chloride coatings**

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Foreword

This Standard is drafted in accordance with the rules given in GB/T 1.1-2009.

This Standard uses redraft law to modify and adopt ISO 105-X10.1993 "Textiles

- Tests for colour fastness - Part X10. Assessment of migration of textile colours into polyvinyl chloride coatings".

The technical differences between this Standard and ISO 105-X10.1993 and their reasons are as follows.

- In Clause 1, ADD "This Standard applies to textile fabrics", to comply with China's standard specifications;

- About normative references, this Standard has made adjustments with technical differences, to adapt to the technical conditions of China. The adjustments are reflected in Clause 2 "Normative references", as follows.

? Replace ISO 105-A03 with GB/T 251 identical to the international standard;

? Replace ISO 105-A01 with GB/T 6151 which modifies and adopts the international standard;

- In 4.1, the acrylic acid resin plate is easy to soften at 80 °C and shall not be used, so delete the "acrylic acid resin plate";

- For compliance with the same series of method standards, ADD the tolerances for the specimen size and the pressure received;
- Weighing is required during the test operation. Therefore, ADD 4.8 "Balance";
- In 6.2, for compliance with the same series of method standards, ADD "Place the specimen horizontally";
- In 6.4, according to the colour fastness assessment requirements, ADD the assessment "under a suitable light source (see GB/T 6151)";
- In Clause 7, for clarity of presentation, ADD a description of the test surface of fabric specimen.

This Standard also makes the following editorial change.

- Modify the standard's name.

Textiles - Tests for colour fastness -
Assessment of migration of textile colours into
polyvinyl chloride coatings

1 Scope

This Standard specifies a method for determining the resistance of the colour in textile fabrics to migration into polyvinyl chloride (PVC) coating which contains plasticizer.

This Standard applies to textile fabrics.

2 Normative references

The following documents are indispensable for the application of this document.

For the dated references, only the editions with the dates indicated are applicable to this document. For the undated references, the latest edition (including all the amendments) are applicable to this document.

GB/T 251 Textiles - Tests for colour fastness - Grey scale for assessing staining (GB/T 251-2008, ISO 105-A03.1993, IDT)

GB/T 6151 Textiles - Tests for colour fastness - General principle of testing

(GB/T 6151-2016, ISO 105-A01.2010, MOD)

3 Principle

A specimen of a textile impregnated with plasticizer is brought into contact with a white polyvinyl chloride coating material; and under a certain pressure at

80 °C, kept for a certain period of time. Then the specimen is separated from

the coating material. Excess plasticizer is removed from the coating material.

USE the grey scale to assess the staining of the coating material.

4.1 Testing device, consisting of a frame of stainless steel into which a weight-
piece of mass 5 kg and base 60 mmx115 mm is fitted, so that a pressure of

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