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

GB/T 7568.5-2002

**Textiles -- Tests for colour fastness -- Specification for acrylic
adjacent fabric**

(English Translation)

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Foreword

GB/T 7568 is divided into 7 parts:

- Specification for wool adjacent fabric;
- Specification for cotton and viscose standard adjacent fabric;
- Specification for polyamide standard adjacent fabric;
- Specification for acrylic adjacent fabric;
- Specification for acrylic adjacent fabric;
- Specification for silk adjacent fabric;
- Specification for multi-fiber standard adjacent fabric.

This part is the part 5 of GB/T 7768. It modifies and uses the ISO 105-F05:2001 Textiles - Tests for color fastness - Part F05: Specification for acrylic adjacent fabric (English version).

This part replaces the GB 7567-1987 Textiles - Tests for color fastness - Specification for standard adjacent fabric: Acrylic, because the original standard is technically obsolete due to international development.

Since there is a national standard equivalent to the ISO standard in this part of the normative references, the degree of consistency between this part and ISO 105-F05:2001 is modified adoption.

For ease of use, this part has made the following editorial changes:

- a) CHANGE the word "this part of ISO" into this part;

b) USE a decimal point "." To replace the comma "," which functions as a decimal point;

c) DELETE the foreword to international standards.

As compared with GB 7567-1987, the main changes in this part are as follows:

- CHANGE the mass per unit area into (135 ± 5) g/m²;
- CHANGE the evaluation index of the staining performance of the adjacent fabric into: Use the grey scale for discoloration assessment as specified in GB 250 to evaluate the acrylic adjacent fabric to be tested after staining and the acrylic reference adjacent fabric, the color difference shall be not more than 4 ~ 5;

Textiles - Tests for color fastness -

Specification for acrylic adjacent fabric

1 Scope

This part specifies an undyed acrylic adjacent fabric suitable for use in assessing staining in color fastness tests. The staining characteristics of the acrylic adjacent fabric to be tested shall be compared with the standard acrylic adjacent fabric for evaluation, which shall be carried out by a piece of acrylic stained reference fabric. All the reference fabrics shall be obtained from the prescribed supply.

2 Normative references

The provisions in following documents become the provisions of this part through reference in this part of GB/T 7568. For the dated references, the subsequent amendments (excluding corrections) or revisions do not apply to this part; however, parties who reach an agreement based on this part are encouraged to study if the latest versions of these documents are applicable. For undated references, the latest edition of the referenced document applies. GB 250 Gray scale for assessing change in color (GB 250-1995, idt ISO 105-A02:1993)

GB/T 4669 Textiles - Woven fabrics - Determination of mass per unit length and mass per unit area (GB/T 4669-1995, eqv ISO 3801:1977)

GB/T 7573 Textiles - Determination of pH of the aqueous extract (GB/T 7573-2002, eqv ISO 3071:1980)

GB/T 8424.1 Textiles - Tests for color fastness - General principles for measurement of surface color (GB/T 8424.1-2001, eqv ISO 105-J01:1997)

GB/T 8424.2 Textiles - Tests for color fastness - Instrumental assessment of relative whiteness (GB/T 8424.2-2001, eqv ISO 105-J02:1997)

GB/T 8438 Textiles - Tests for color fastness - Color fastness to pleating: Steam pleating (GB/T 8438-1998, eqv ISO 105-P02:1993)

Appendix A

(Informative)

Preparation of acrylic adjacent fabric and stained reference fabric

A.1 Preparation of acrylic adjacent fabric

A.1.1 Canvas work raw materials

Short fiber:

- a) Single fiber 0.278 tex;
- b) Length 38 mm;
- c) Half matt, dog-bone shaped cross-section;
- d) Alkaline dye can stain it.

A.1.2 Warp and weft yarn

Warp: 10 tex, Z-twisted, 790 twists x 2 per meter; S-twisted, 470 twists per meter, double line (R) 20 tex.

Yarn shall not contain fluorescent brightener. The warp shall not contain pulp.

A.1.3 Gray fabric

Reed width of loom: 127 cm;

Texture: 1/1 plain weave;

Density of warp: $(175 \pm 5) / 10$ cm;

Density of weft yarn: $(160 \pm 5) / 10$ cm

A.1.4 Treatment

A.1.4.1 Boiling in dye vat

- a) Water bath temperature 60 °C;
- b) Use nonionic detergent (ethylene oxide poly-condensate) and sodium pyrophosphate;
- c) Treatment once at 60 °C;
- d) Increase the temperature to 95 °C and treat it once; drain the boiling liquid;
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