

ICS 59.080.60

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

GB/T 37843-2019

**Carpet - Determination of resistance to staining by acid food
colours**

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the translation method equivalent to ISO 13750.2000 "Determination of the coloring performance of acid-proof food color of textile floor coverings".

The documents of our country that have a consistent correspondence with the international documents referenced in this standard are as follows.

---GB/T 6529-2008 Standard atmosphere for textile conditioning and testing (ISO 139.2005, MOD);

--- GB/T 8424.1-2001 Textile color fastness test surface color determination (eqvISO 105-J01..1997).

This standard has made the following editorial changes.

--- In line with the existing series of standards, the "textile floor coverings" are collectively referred to as "carpets", and the standard name is changed to "carpet acid resistance"

Determination of color staining performance of food.

1 Scope

This standard specifies procedures for evaluating the color staining properties of carpet acid-resistant foods. The degree of staining varies with the color of the carpet.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

ISO 105-J01.1997 Tests for colour fastness of textiles - Part J01. General rules for surface colour measurement (Textiles-Testsfor

colourfastness-PartJ01. Generalprinciplesformeasurementofsurfacecolour)

ISO 139 Standard atmosphere for textile conditioning and testing
(Textiles-Standardatmospheres for conditioningand

Testing)

ISO 1957 mechanism for the selection and interception of physical test specimens for
textile floor coverings (Machine-madetextilefloor

coverings-Selectionandcuttingofspecimensforphysicaltests)

ISO 11379 textile floor covering laboratory cleaning procedure using spray suction
technology (Textilefloorcoverings-Labo-

Ratorycleaningprocedureusingsprayextraction)

3 Principle

The carpet samples were stained under controlled conditions. The sample was adjusted after staining, then rinsed and the residual stain was evaluated.

5 equipment

5.1 Stained circle and stained cup, the stained cup has a volume of 100mL with a scale, and the diameter of the stained circle is 50mm (see Figure 1) 1).

1) Stain cups, stained circles and staining standards that meet the requirements of this standard can be purchased at the following address. AATCC, POBox12215, ResearchTrianglePark, NC27709, USA. This information is intended to be of convenience to users of this standard and does not constitute a standard for this product.

Recognition.

5.2 Refer to the stain level standard, AATCC red 40 stain standard, grade 1 (strongest stain) to 10 (no stain).

5.3 Color difference measuring equipment, caliber 50mm +/- 0.5mm, according to the provisions of ISO 105-J01..1997 to determine the color of the carpet,

deltaE (CIELAB system) indicates the result, and a matching software converts the result into a corresponding stain level.

5.4 Centrifugal extractor.

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National Standards of People's Republic of China

Determination of color staining properties of carpet acid-resistant foods

(ISO 13750.2000, Textilefloorcoverings-Determinationofresistanceto

Stainingbyacidfoodcolours, IDT)

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