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Towels

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Towels

1 Scope

This Standard specifies the terms and definitions, requirements, test methods, inspection rules, marking, packaging, transportation and storage of towel products.

This Standard applies to all kinds of woven towel products using textile fibers as raw materials.

This Standard does not apply to microfiber towels and disposable towels.

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 250 Textiles - Tests for colour fastness - Grey scale for assessing change in colour

GB/T 2910 (all parts) Textile - Quantitative chemical analysis

GB/T 3920 Textiles - Tests for colour fastness - Colour fastness to rubbing

GB/T 3921-2008 Textiles - Tests for colour fastness - Colour fastness to washing with soap or soap and soda

GB/T 3923.1 Textiles - Tensile properties of fabrics - Part 1: Determination of maximum force and elongation at maximum force using the strip method

GB/T 4841.3 Colour cards of standard depths for dyeing with dyestuffs 2/1, 1/3, 1/6, 1/12, 1/25

GB/T 5296.4 Instructions for use of products of consumer interest - Part 4: Textiles and apparel

GB/T 6529 Textiles - Standard atmospheres for conditioning and testing

GB/T 7069 Textiles - Testing method for colour fastness to bleaching: Hypochlorite

GB/T 8170 Rules of rounding off for numerical values and expression and judgement of limiting values

GB 18401 National general safety technical code for textile products

GB/T 22798-2019 Test method for fiber shedding of towel products

GB/T 22799-2019 Test method for absorption of towel products

GB/T 27754 Home textiles - The limited of water extraction material within towel

GB/T 29862 Textiles - Identification of fiber content

GB 31701 Safety technical code for infants and children textile products

FZ/T 01057 (all parts) Test method for identification of textile fibers

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

Towels

A fabric with textile fibers as raw materials and looped pile or cut pile on the surface, used for purposes such as scrubbing, warmth, decoration in daily life.

Example: Square towels, face towels, bath towels, towel blankets, etc.

3.2

Terry towels

Towels with cut pile treatment on the surface loops.

4 Requirements

4.1 The basic safety technical requirements of products shall comply with the regulations of GB 18401. Products for infants and children shall comply with the regulations of GB 31701.

4.2 The inherent quality of the product includes weight deviation rate, breaking force, water absorption, fiber shedding rate, fiber content deviation, color fastness (to washing with soap, to rubbing, to chlorine bleaching) and water

5 Test methods

5.1 Inspection of inherent quality

5.1.1 Determination of weight deviation rate: Under the standard atmosphere specified in GB/T 6529, weigh a constant weight (10 square towels and face towels); calculate the weight deviation rate.

5.1.2 The determination of breaking force is carried out in accordance with the provisions of GB/T 3923.1.

5.1.3 The determination of water absorption is carried out in accordance with the provisions of method A in GB/T 22799-2019. When sampling, it shall avoid parts such as paint, satin, embroidery or other parts that may be affected.

5.1.4 The determination of fiber shedding rate is carried out in accordance with the provisions of method A in GB/T 22798-2019.

5.1.5 The determination of fiber content is carried out in accordance with the provisions of GB/T 2910 (all parts) and FZ/T 01057 (all parts).

5.1.6 The color fastness to washing with soap is determined according to the method C(3) in GB/T 3921-2008.

5.1.7 The color fastness to rubbing is determined according to the provisions of GB/T 3920.

5.1.8 The color fastness to chlorine bleaching is determined in accordance with the provisions of GB/T 7069.

5.1.9 The determination of the water extraction material within the sample is carried out according to the provisions of GB/T 27754. For samples with a length exceeding 1800 mm and a width exceeding 1200 mm, take a quarter of the whole. At the cutting edge, use the sewing thread of this thread to cover the seam.

5.2 Inspection of appearance quality

5.2.1 Determination of specification size deviation rate

5.2.1.1 Tool: Steel ruler.

5.2.1.2 SPREAD the sample flat on the inspection table; USE hands to gently flatten it, so that the sample is in a natural stretch state. USE a steel ruler to measure at one-quarter and three-quarters of the length and width direction of the entire sample, accurate to 1 mm. Calculate according to formula (1). The

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