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THE PEOPLE'S REPUBLIC OF CHINA

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Knitted Mask

针织口罩

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Knitted Mask

1 Scope

This Standard stipulates the specification, requirements, tests, determination rules, product instructions, packaging, transportation and storage of knitted mask.

This Standard is applicable to the quality appraisal of face masks made mainly from knitted fabrics.

This Standard is inapplicable to face masks for medical use and labor protection. This Standard is inapplicable to clothing for infants and young children aged 36 months and below.

2 Normative References

The following documents are indispensable to the application of this document. In terms of references with a specified date, only versions with a specified date are applicable to this document. In terms of references without a specified date, the latest version (including all the modifications) is applicable to this document.

GB/T 2910 (all parts) *Textiles - Quantitative Chemical Analysis*

GB/T 2912.1 *Textiles - Determination of Formaldehyde - Part 1: Free and Hydrolyzed Formaldehyde (water extraction method)*

GB/T 3920 *Textiles - Tests for Color Fastness - Color Fastness to Rubbing*

GB/T 3921-2008 *Textiles - Tests for Color Fastness - Color Fastness to Washing with Soap or Soap and Soda*

GB/T 3922 *Textiles - Testing Method for Color Fastness to Perspiration*

GB/T 4856 *Package of Cotton Goods and Knitwear*

GB 5296.4 *Instructions for Use of Products of Consumer Interest - Part 4: Textiles and Apparel*

GB/T 5453 *Textiles - Determination of the Permeability of Fabrics to Air*

GB/T 5713 *Textiles - Tests for Color Fastness - Color Fastness to Water*

GB/T 7573 *Textiles - Determination of pH of Aqueous Extract*

GB 9994 *Conventional Moisture Regains of Textile Materials*

---Slight: defects are not visually obvious and can only be seen through careful identification. ---Obvious: defects do not affect the overall effect, but the existence of defects can be perceived.

4.4.2 Sewing regulations

4.4.2.1 All parts of stitch shall have an appropriate degree of tightness, so as to ensure that thread will not be taken off or broken after stretching, and no seams will be leaked.

4.4.2.2 The sash shall be firmly sewn and has a suitable length.

5 Tests

5.1 Inspection of Intrinsic Quality

5.1.1 Test preparation and conditions

The samples taken must not have defects that would affect the test.

5.1.2 Test methods

5.1.2.1 pH value test

The test shall be conducted in accordance with the stipulations in GB/T 7573.

5.1.2.2 Formaldehyde content test

The test shall be conducted in accordance with the stipulations in GB/T 2912.1.

5.1.2.3 Undesirable odor test

The test shall be conducted in accordance with the stipulations in GB 18401.

5.1.2.4 Decomposable carcinogenic aromatic amine dye test

The test shall be conducted in accordance with the stipulations in GB/T 17592.

5.1.2.5 Fiber content test

The test shall be conducted in accordance with the stipulations in GB/T 2910, FZ/T 01026, FZ/T 01057 and FZ/T 01095. Calculate in accordance with the conventional moisture regains. Conventional moisture regains shall comply with the stipulations in GB 9994.

5.1.2.6 Color fastness to soaping test

The test shall be conducted in accordance with the stipulations of Method A (1) in GB/T

3921-2008.

5.1.2.7 Color fastness to water test

The test shall be conducted in accordance with the stipulations in GB/T 5713.

5.1.2.8 Color fastness to saliva test

The test shall be conducted in accordance with the stipulations in GB/T 18886; merely test the skin-facing surface.

5.1.2.9 Color fastness to rubbing test

The test shall be conducted in accordance with the stipulations in GB/T 3920; merely test the straight direction.

5.1.2.10 Color fastness to perspiration test

The test shall be conducted in accordance with the stipulations in GB/T 3922.

5.1.2.11 Air permeability test

The test shall be conducted in accordance with the stipulations in GB/T 5453. Pressure drop on both sides of the sample is 100 Pa; the area of test is 20 cm²; test surface is skin-facing surface; test zone is the central zone of face mask. Test 3 face masks; test each face mask once. Take the arithmetic mean value of the test results of the 3 face masks as the final test result.

5.2 Inspection of Appearance Quality

5.2.1 Lamp inspection is generally adopted. Use a 40 W white-light fluorescent lamp; with a lamp cover on it. The vertical distance between the lamp cover and the center of the inspection table is 80 cm ± 5 cm.

5.2.2 If natural light is used indoors, the incident direction of the light source is north to the left (or the right) upper corner. DO NOT place the product under direct sunlight.

5.2.3 During the inspection, spread the product on the inspection table. Cover the surface of the table with a white cloth. The inspection personnel's sight shall be squarely facing the surface of the product, and the distance between the eyes and the product shall be above 35 cm.

5.2.4 Measurement parts and regulations

5.2.4.1 Measurement parts

Measurement parts are shown in Figure 1.

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