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

GB/T 24218.6-2010

Textiles -- Test methods for nonwovens -- Part 6: Absorption

纺织品 非织造布试验方法 第6部分：吸收性的测定

(English Translation)

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Foreword

GB/T 24218 "textile non-woven fabric test method" is divided into the following sections.

- Part 1. Determination of mass per unit area;
- Part 2. Determination of thickness;
- Part 3. breaking strength and elongation measurement (strip method);
- Part 5. Determination of resistance to mechanical penetration (ball burst method);
- Part 6. Determination of absorption;
- Part 8. Determination of liquid penetration time (simulated urine);
- Part 10. Determination of Luoxu;
- Part 11. Determination of overflow traffic;
- Part 12. Determination of compression of the absorbent;
- Part 13. Determination of liquid repeatedly through the time;
- Part 14. Determination of wet coating material return amount;
- Part 15. Determination of permeability;
- Part 16. Determination of resistance to water (hydrostatic method);
- Part 17. Determination of water permeability (spray impact method);
- Part 18. breaking strength and elongation measurement (Grab method);

Determination of resistance to saline properties (Mason flask method). Part --- 101.

GB/T 24218 "textile non-woven fabric test method" 1 to 18 portions corresponding to ISO 9073 series of standards, in addition to the standard Registration, the other part of the

correspondence with ISO 9073 as follows.

--- GB/T 3917.3 "Textiles Tear properties of fabrics - Part 3. Determination of tear force of trapezoidal shaped test specimens" (GB/T 3917.3-1997, eqv ISO 9073-4. 1989);

--- GB/T 18318.1 "Textiles - Determination of flexural properties - Part 1. slant Law" (GB/T 18318.1-2009, ISO 9073-7:1995, MOD);

--- GB/T 23329 "Textiles - Determination of fabric drape" (GB/T 23329-2009, ISO 9073-9:2008, MOD).

This section GB/T 24218 Part 6.

The partial modification of the use of ISO 9073-6:2000 "Textiles - Test methods - Part 6 Cloth non-woven. absorption measurement" (in English).

This section according to ISO 9073-6:2000 redrafted, and ISO 9073-6:2000 The main differences are as follows.

--- Scope deleted "This section does not apply to fabric containing superabsorbent material";

--- Normative references in the international standard to replace the corresponding national standards, removed the reference to ISO 186 and ISO 565;

--- The definition of the term "liquid wicking rate" is complemented;

--- Increasing the term "liquid wicking height";

--- 6.6 clear liquid wicking rate Method of seeking.

This part is proposed by the China Textile Industry Association.

This part of the National Standardization Technical Committee based textile branch (SAC/TC209/SC1) centralized.

This part mainly drafted by. Textile Standard (Beijing) Co., Inspection and Certification Center.

1 Scope

This section GB/T 24218 specifies the test method of liquid absorbing nonwoven fabric properties, including the liquid absorption time, the liquid absorbing and measured the amount of liquid wicking rate.

The measurement method of liquid absorbent nonwoven fabric may be related to the end use of the product under test.

2 Normative references

The following documents contain provisions which, through reference GB/T 24218 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 6529 Textiles conditioning and testing using standard atmosphere (GB/T 6529-2008, ISO 139:2005, MOD)

3 Terms and Definitions

The following terms and definitions apply to this part of the GB/T 24218 of.

Liquid absorption time *liquidabsorbencytime* Absorption time is needed to test the liquid completely soaked material samples, that is, under specified conditions, penetration of liquids within the material needed time.

Liquid absorption *liquidabsorptivecapacity* **LAC** Under specified conditions, after a predetermined time, the liquid mass per mass of test absorbent material absorbed to account for test-absorbing material Mass percentage.

A liquid wicking rate Measure the capillary effect of the test material to characterize the liquid is transferred to the textile material speed extent that the liquid by capillary action, Per unit time in the textile material reaches a liquid wicking height.

Liquid wicking height Measure the test material when the capillary effect, namely textile end vertically suspended material is soaked in a liquid, the liquid by capillary action, in a Given time along the height of the textile material increase.

4.1 Principle

The strip specimens loosely rolled up into a cylindrical metal basket to make it fall into the liquid from the liquid surface 25mm distance measurement at the sample End the time required for an all wet.