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

GB/T 24218.2-2009

**Textiles -- Test methods for nonwovens -- Part 2: Determination
of thickness**

纺织品 非织造布试验方法 第2部分：厚度的测定

(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.

This section GB/T 24218 Part 2.

GB/T 24218 "textile non-woven fabric test method" section above (except section 101) with the ISO 9073 series of standards Corresponding to the section.

And ISO 9073 Part 4, Part 7 and Part 9 national standards corresponding to the case 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, eqvISO 9073-4. 1989);

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

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

The partial modification using ISO 9073-2:1995 "Textiles nonwovens Test methods - Part 2. Determination of thickness." this section according to ISO 9073-2:1995 redrafted with ISO 9073-2:1995 main differences are as follows.

--- Deleted introduction;

--- Normative references in the international standard to replace the corresponding national standards, canceled the ISO 186 references;

--- Chapter 6 sampling methods modified to delete the note;

--- Remove the test report of the "humidity atmosphere" and "reference sample description." this part is proposed by the China Textile Industry Association.

This part of the National Standardization Technical Committee on Basic Standards Subcommittee Textiles (SAC/TC209/SC1) centralized.

This part mainly drafted by. Southern Textile Industry Science and Technology Test Center, Textile Industry Research Institute of Standardization.

1 Scope

This section GB/T 24218 specifies the test methods for class conventional and fluffy nonwoven fabric thickness measured at a certain pressure.

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 The humidity and atmospheric testing standard (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.

When pressure is applied to increase from 0.1kPa to 0.5kPa, the rate of change of thickness reaches or exceeds 20% of the non-woven fabric.

The distance between the both sides of the nonwoven fabric, i.e. the measurement of the nonwoven fabric is placed and parallel to the reference plate and the pressure nonwoven Bushi Jia the distance between the presser foot.

Principle 4

The nonwoven fabric sample was placed in a horizontal reference plate by applying a predetermined pressure on the sample and the reference plate parallel to the presser foot, the reference plate and the press the vertical distance between the feet as a sample thickness.

5 Instruments

5.1

For conventional type non-woven fabric 5.1.1 two horizontal circular plate, the presser foot (circular plate) and reference plate (a circular plate) components. The presser foot can be moved up and down, and with the reference plate Parallel to the presser foot surface area 2500mm²; a reference plate surface diameter greater than the diameter of at least the presser foot 50mm.

5.1.2

measuring device can display the distance between the presser foot and the base plate, the indexing is 0.01mm.

5.2

For a maximum thickness of 20mm fluffy non-woven fabric type Note. Figure 1 lists the appropriate test device.

5.2.1

Vertical reference plate, an area of 1000mm²; presser foot, an area of 2500mm². The sample is suspended vertically in the base plate and the press Between the feet.

5.2.2

elbow lever, there are two equal length of the lever arm, and the associated reference plate. When the balance was not put (5.2.4), the other by a corresponding balance Was making an elbow lever exerts a small force on the left to reach equilibrium. Elbow lever geometry of

the need to make the balance was provided 0.02kPa pressure.