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

GB/T 24218.10-2016

**Textiles -- Test methods for nonwovens -- Part 10: Lint and other
particles generation in the dry state**

纺织品 非织造布试验方法 第10部分：干态落絮的测定

(English Translation)

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Foreword

GB/T 24218 "Textile nonwovens test method" is divided into the following parts.

- Part 1. Determination of mass per unit area;
- Part 2. Determination of thickness;
- Part 3. Determination of breaking strength and elongation at break (strip method);
- Part 5. Determination of resistance to mechanical penetration (ball top breaking method);
- Part 6. Determination of absorbency;
- Part 8. Determination of liquid penetration time (simulated urine);
- Part 10. Determination of dry flock;
- Part 11. Determination of overflow;
- Part 12. Determination of compressive absorbability;
- Part 13. Determination of multiple penetration times of liquids;
- Part 14. Determination of moisture content of coating materials;
- Part 15. Determination of breathability;
- Part 16. Determination of impermeability (hydrostatic method);
- Part 17. Determination of water permeability (spray shock method);
- Part 18. Determination of breaking strength and elongation at break (grab method);
- Part 101. Determination of resistance to physiological saline (Mason bottle method).

GB/T 24218 "Textile nonwovens test method" of the above part (except part 101) and ISO

9073 series of standard Corresponding to the corresponding part.

The corresponding national standards for Part 4, Part 7 and Part 9 of ISO 9073 are as follows.

GB/T 3917.3 "Tear properties of textile fabrics Part 3. Determination of tear strength of trapezoidal specimens" (GB/T 3917.3-2009, ISO 9073-4.:1997, MOD) GB/T 18318.1 "Determination of the bending properties of textiles Part 1. Slant method" (GB/T 18318.1-2009, ISO 9073-7.:1995, MOD) GB/T 23329 "Determination of drapeness of textile fabrics" (GB/T 23329-2009, ISO 9073-9.:2008, MOD) this part is part 10 of GB/T 24218.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This part uses the re-drafting method to modify ISO 9073-10.:2003 "Textile nonwovens test method Part 10. Dry State of the determination of flop. " the main technical differences between this part and ISO 9073-10.:2003 are.

- delete the catalog and preface of international standards;

ISO 554 in the normative reference document is replaced by GB/T 6529;

- ISO 14644-1 in the normative reference document is replaced by the corresponding national standard;

- Chapter 8 adds j).

This part is proposed by the China Textile Industry Federation.

This part is headed by the National Textile Standardization Technical Committee (SAC/TC209).

This part of the drafting unit. in the spinning standard (Beijing) Inspection and Certification Center Co., Ltd., Dongguan City Jerry clothing embroidery accessories Limited.

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Textiles - Test methods for nonwovens Part 10. determination of dry flock

1 Scope

This part of GB/T 24218 specifies the test method for measuring the blooming of nonwovens in a dry state. The method also applies to the other Textile materials.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article Pieces. For undated references, the latest edition (including all modifications) applies to this document.

GB/T 6529 Standard atmosphere for textiles for humidity control and testing (GB/T

6529-2008, ISO 139.:2005, MOD) GB/T 25915.1 Clean rooms and associated controlled environments - Part 1. Air cleanliness rating (GB/T 25915.1-2010, ISO 14644-1.:1999, IDT)

3 Terms and definitions

The following terms and definitions apply to this document.

Lint lint

Dispersed fiber during operation.

Flocking linting

The operation of the fiber debris and other particles off.

Coefficient of flock Measure the logarithm of all or part of the number of particles in the channel.

4 Principle

This method describes a modified Gelbo twist method in which the specimen is subjected to torsion and compression in the test chamber. In the twisting process the air is drawn from the chamber and the particles in the air stream are counted and classified using a dust particle counter. Measure the range according to the selected counter may be between 0.3 μm and 25 μm or 0.5 μm to 25 μm .

Note: See Appendix A for general information on reproducibility.

5.1 Laminar flow hood

Vertical for providing a clean test environment.

Note: As an option, ISO 5 grade clean rooms in accordance with GB/T 25915.1 can be used.