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**FZ**

**TEXTILE INDUSTRY STANDARD OF THE  
PEOPLE'S REPUBLIC OF CHINA**

**FZ/T 01081-2018**

Replacing FZ/T 01081-2009

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**Testing method for coating weight of fusible interlinings**

粘合衬热熔胶涂布量试验方法 清晰版

**(English Translation)**

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### Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces FZ/T 01081-2009 "Hot-melt adhesive lining hot melt adhesive coating amount and coating uniformity test method", and Compared with FZ/T 01081-2009, the main technical contents are changed as follows.

--- The standard name is adjusted to "Test method for coating thickness of adhesive lining hot melt adhesive";

--- Increased the type of hot melt adhesive and dissolved reagents;

--- Adjusted the sample constant weight mode, supplemented the recommended drying temperature;

--- Adjusted the result calculation method.

This standard was proposed by the China National Textile and Apparel Council.

This standard is under the jurisdiction of the National Textile Standardization Technical Committee Cotton Textile Subcommittee (SAC/TC209/SC10).

This standard was drafted. Shanghai Tianyang Hot Melt Bonding Material Co., Ltd., Shanghai Textile Industry Technology Supervision Institute, Shanghai Tianqiangfang Weaving Co., Ltd., Nantong Haihui Technology Development Co., Ltd., Huate Bonding Materials Co., Ltd., Qihe New Materials Technology (Jiashan) Co., Ltd.

Division, China Industrial Textiles Industry Association, Shanghai Textile Group Testing Standards Co., Ltd.

## 1 Scope

This standard specifies the test method for the amount of hot-melt adhesive coating.

This standard is applicable to the lining of woven fabrics, knitted fabrics and non-woven fabrics of various materials.

This standard does not apply to laminates where the base fabric is not solvent resistant and results in a significant impact on the test results.

## 2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 6284 General method for moisture determination in chemical products - Dry reduction method  
GB/T 6529 Standard atmosphere for textile conditioning and testing  
GB/T 8170 Numerical Rounding Rules and Representation and Determination of Limit Values

## 3 Principle

The amount of the hot-melt adhesive of the adhesive liner is calculated by dissolving the hot-melt adhesive of the adhesive liner with a suitable organic solvent.

## 4 Equipment and appliances

### 4.1

Distillation reflux unit.

### 4.2

Constant temperature water bath.

### 4.3

Constant temperature oil bath.

### 4.4

Analytical balance. The sensitivity is 0.001g.

### 4.5

Grinding Triangular Flask. 500 mL.

#### 4.6

Suitable scribes or cutting scissors.

### 5 Reagent preparation

#### 5.1

Copolyamide (COPA) hot melt adhesive using solvent. methanol or methanol. chloroform is 1.1 (analytical grade).

**Note:** In the actual test process, if it is found that the solvent is insoluble or the data is abnormal after the solvent treatment, it is recommended to use methanol. chloroform 1.1 solvent.

#### 5.2

Polyethylene (PE) hot melt adhesive uses solvent. dichlorobenzene or tetrachloroethylene (analytical grade).

#### 5.3

Copolyester (COPES) hot melt adhesive uses solvent. tetrahydrofuran or trichloroethylene (analytical grade).

**Note:** In the actual test process, if it is found that the solvent is insoluble or the data is abnormal after the solvent treatment, it is recommended to use tetrahydrofuran solvent.

#### 5.4

Ethylene-vinyl acetate (EVA) hot melt adhesive using solvent. trichloroethylene (analytical grade).

#### 5.5

Polyurethane (TPU) hot melt adhesive uses solvent. chloroform (analytical grade).

#### 5.6

The two hot melt adhesives are dissolved in two soluble solvents.

#### 5.7

The new hot melt adhesive can be selected with the appropriate solvent.