

## Nonwoven Testing(MB Series)

### MB01 Nonwoven Water Absorption Tester

Used for determination of water absorption rate and height of medical and sanitary nonwovens. It includes liquid absorption time, liquid absorption amount and liquid core absorption rate

#### Standards

FZ/T 64012.2, GB/T 24218.6



### MB02 Nonwoven Liquid Loss Meter

Used to determine the mass of nonwoven fabric for a specific test liquid (simulated urine) that has been absorbed and then spilled.

#### Standards

GB/T 24218.11, ISO 9037-11, YY/T0506.3



### MB03AN Nonwoven Liquid Penetration Tester

Used for testing liquid penetrability of various sanitary thin nonwovens.

#### Standards

FZ/T 60017, GB/T 24218.8, GB/T 24218.13, GB/T 24218.14



### MB03B Nonwoven Liquid Penetration Tester

Measure the penetration time of breathable fabric for health care.

A solution of known volume (e.g., artificial urine with a surface tension of 70dyn/cm) is placed in a teflon-lined container. The solenoid valve is used to discharge the liquid at a constant rate through the central hole of the plate (through the electrode plate) on the nonwoven fabric. Both electrodes rely on a conductive liquid to start the timer. The nonwoven sample is placed on a set of 5/10 sheets of filter paper that act as the absorbent. When all the conductive liquid enters the absorbent layer, the circuit current will be interrupted and the timer will be stopped. The artificial urine required by EDANA was prepared at a rate of 25ml/3.5 0.25s.

#### Standards

FZ/T 60017, GB/T 24218.8, GB/T 24218.14, EDANA



**MB04 Softness Tester**

It is suitable for the determination of softness of high-grade toilet paper, tobacco sheet, fiber paper and other materials.

**Standards**

GB/T 8942

**MB05 Nonwoven Liquid Infiltration Tester**

To determine the non-woven liquid infiltration property.

According to the standard design of the liquid recirculation tester, can carry on the automatic test, eliminates the operator to the test result influence, at the same time may save the time, the test data automatically saves and may print, carries on the effective arrangement and the appraisal.

According to the test regulations of GB/T 24218.14-2010 and EDANA, the diaper and sanitary napkin should be measured by liquid recirculation tester, which is easy to operate, has no human influence, saves time and ensures the reproducibility and comparability of test results.

**Standards**

GB/T 24218.14, EDANA

**MB06 Nonwoven Penetrometer**

Used for determining the slip, return and leakage of diapers and diaper/pad for infants and adults.

**Standards**

QB/T 2493, GB/T 28004

**MB07 Nonwoven Tensile Strength Tester**

Used for testing tensile and stripping strength of nonwoven fabrics, adhesive linings, multi-layer adhesive fabrics, hot-melt adhesive linings and garment fabrics, adhesive linings and fabrics, coating adhesion, etc.

**Standards**

GB/T3923.1/2, FZ/T 01085, FZ/T 80007.1, AATCC 136, FZ/T 01010, FZ/T60011

**MB09 Constant Temperature Viscosity Tester**

In accordance with GB 4851 (pressure-sensitive adhesive tape adhesion test method), the standard design and manufacture of adhesive force determination method of plaster, suitable for pressure-sensitive adhesive tape, self-adhesive, plaster, heat-soluble adhesive and other products for adhesion test test.

### Standards

GB 4851 Test method for pressure sensitive adhesive tape adhesion

JIS Z 0237 Test method for pressure-sensitive adhesive tape and pressure-sensitive adhesive sheet

ASTM D 3654 Test method for shear adhesion of pressure-sensitive tapes



### MB09 Gauze Mask Particle Filtration Efficiency Tester

Used for detection of particle filtration efficiency. Mainly for medical instrument inspection institute, disease prevention and control center, hospital, high efficiency filter manufacturer, mask research and development and manufacturer, etc.

### Standards

GB/T 2626, GB/T 32610



### MB10 Fluorescent Brightening Agent Detector

It is used to determine whether various materials contain fluorescent substances.

### Standards

FZ/T 64046-2014 Hot air method nonwoven fabric



### MB11A Toilet Paper Drop Powder Rate Tester (Manual Weigh)

Drop powder rate tester is to test sanitary products, especially toilet paper products drop powder amount of the instrument, the instrument according to the new standard "GB/ t20810-2018 toilet paper (including toilet paper base paper)" development. High degree of automation, easy to use, can effectively increase the laboratory testing efficiency, improve product quality. General life paper requirements paper soft, so in production after the blade wrinkle, use any raw material paper will have the same paper powder, only different degrees. Drop powder rate tester is used to test the paper powder of toilet paper products.

### Standards

GB/T20810-2018



### MB11B Toilet Paper Drop Powder Rate Tester (Auto weigh)

Drop powder rate tester is to test sanitary products, especially toilet paper products drop

powder amount of the instrument, the instrument according to the new standard "GB/ t20810-2018 toilet paper (including toilet paper base paper)" development. High degree of automation, easy to use, can effectively increase the laboratory testing efficiency, improve product quality. General life paper requirements paper soft, so in production after the blade wrinkle, use any raw material paper will have the same paper powder, only different degrees. Drop powder rate tester is used to test the paper powder of toilet paper products.

### Standards

GB/T20810-2018



### MB12A Sanitary Napkin Absorption Rate Tester Absorption Ratio Tester

Suitable for all kinds of sanitary napkins, non-woven fabrics and other absorbent materials water absorption rate automatic test.

### Standards

GB/T 8939



### MB13 Ball Resistance of Toilet Paper

Used for testing the ball resistance of toilet paper.

### Standards

GB/T 20810, GB/T 24328.7



### MB14 Sanitary Towel Application of Gum Peeling Strength Tester

Used for testing the adhesive peel strength of sanitary napkin (pad), it can peel sanitary napkin (pad) 180° from standard single jersey cloth, which is professional and reliable.

### Standards

GB/T 8939 Sanitary Napkins (pads) Appendix E



### MB14B Medical Tape Peeling Strength Tester

Used for peeling test of medical tape.

Force range 0~50N Resolution: 0.1N



Testing speed 1~400mm/min  
Testing length 0.1~300mm free setting  
Displacement accuracy 0.01mm

**Standards**

YY/T 0148

**MB15 Nonwoven Friction Coefficient Tester**

Used for measuring the coefficient of static friction and the coefficient of dynamic friction when sliding of paper, plastic film and sheet (or other similar materials).

**Standards**

GB/T 10006, GB/T 22895, ISO 15395, ASTM D 1894, ISO 8295

**MB16 Toilet Paper Dispersability Tester**

Used for testing the dispersibility of toilet paper.

Add liquid product 5L  
Rotor speed 350rpm  
Test time 1 ~ 9999s  
Air source pressure  $0.4 \pm 0.02$ mpa  
Air flow rate  $10 \pm 0.5$ l /min  
Power source AC 220V 50Hz

**Standards**

GB/T 20810

**MB17 Impact Penetration Tester**

Used for testing any textile fabric, which may or may not have been given a water-resistant or water-repellent finish. It measures the resistance of fabrics to the penetration of water by impact, and thus can be used to predict the probable resistance of fabrics to rain penetration. It is especially suitable for measuring the penetration resistance of garment fabrics.

**Standards**

AATCC 42; GB/T 24218.17

**MB18 Cotton Core Strength Tester**

Suitable for testing the cotton core of diapers of various sanitary materials.

Reciprocating stroke  $10 \pm 0.1$ cm  
Clamp spacing  $21 \pm 0.2$ cm



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Clamp contraction spacing	11±0.2cm
Testing times	0-99999 times, can be set digitally
Testing table angle	90 degrees, bottom chamfer R=100mm
Pusher	U-shaped pusher
Speed range	40 ~ 90 times / min, can be set to automatically adjust

### MB19 Diaper Penetration Tester

Diaper penetration tester Used to measure the penetration performance of diapers and diapers such as absorption rate, reosmosis and leakage.

#### Standards

GB/T 28004.1-2021 Diapers -- Part 1: Baby diapers

GB/T 28004.2-2021 Diapers -- Part 2: Adult diapers

