



The rewet properties of nonwoven topsheet or coverstock are crucial for the performance of hygienic and sanitary goods. Unfortunately, high variations in the rewet test results are very common since by carrying out this test manually, the results are strongly influenced by the handling, depending on the operator.

Any misleading results caused by faulty handling are excluded by using Lenzing Instruments' **WETBACK** tester for analysis of such materials. **WETBACK** characterizes the rewet properties in an automated and time-saving manner according to INDA/EDANA standards. The combination of an automatically lowered baby-weight together with a high precision balance and a software program for a guided testing procedure guarantees for highest reproducibility and comparability of results.

Furthermore, the generated results are automatically communicated to the **WETBACK** software with both numerical and graphical display of test results for evaluation and analysis of the rewet characteristics of the material. **WETBACK** is standardized according to INDA/EDANA WSP 80.10 and WSP 70.8.

WETBACK is most often used in combination with Lenzing Instruments' **LISTER AC**, which is applied for the liquid strike-through test for nonwoven coverstock or topsheet. **LISTER AC** is standardized according to INDA/EDANA WSP 70.3 and WSP 70.7. Three of ten specimens are to be tested for their rewet properties with **WETBACK** after tests with **LISTER AC**.

Scope:

Automatic, standardized and reproducible determination of the rewet properties of nonwoven coverstock or topsheet.

Method:

After applying a defined amount of liquid onto the prepared sample (liquid strike-through test*), a simulated baby weight is automatically lowered onto the specimen with an by INDA/EDANA accurately defined speed and remains there for a specified period of time. Through a special filter paper, i.e. pick-up paper and an electronic balance, the amount of liquid is determined, which - due to the load - is passed back through the specimen's surface into the filter paper.

Results:

The wetback result is achieved by determining the amount of liquid, which has been absorbed by the pick-up paper. For this purpose, a precision balance is used. The balance may be used in stand-alone mode for manual weighing and determination of the wetback result. Optionally, it may be connected to a PC. In this case, the LISTER/WETBACK software guides the operator through the test procedure and the results of absorbed liquid are automatically generated and displayed.

Specifications:

Conforms with INDA/EDANA standards WSP 80.10, equivalent to ERT 151.3 (02) and WSP 70.8, equivalent to ERT 154.0 (02) as well as to ISO reference 9073-14:2002,

EDANA:

European Disposables and Nonwovens Association

INDA:

International Nonwovens and Disposables Association

Pneumatic stand:

for automatic lowering and lifting of the simulated baby weight:

- electronic timer
- simulated baby weight with polyurethane foam rubber foot
- no maintenance

Accuracy:

Wet time: 3 min ± 3 sec
Rewet time: 2 min ± 2 sec
Simulated baby weight: 4000 g ± 20 g
Time to lower weight: 5 sec ± 1 sec for 5 cm

Electronic precision balance (optional):

Accuracy: 0.0001 g
max. load: 60 g

Software (optional):

Evaluation software and test report according to EDANA

Power supply:

230 / 115 VAC ± 10 %, 50/60 Hz, 12 W

Dimensions:

Length: 555 mm
Width: 260 mm
Height: 360 mm
Weight: 21 kg

Optionally available:

- Electronic precision balance
- Software
- OPC UA interface
- LISTER AC testing instrument for determination liquid strike-through time of nonwoven coverstock/topsheet according to INDA/EDANA WSP 70.3 and WSP 70.7

* The **WETBACK** test must be effected on the same sample for which the liquid strike-through was performed.

Technical data and pictures are subject to change.