

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

Our **WETBACK** tester is designed to easily test such materials according to EDANA standard in an automated way, which allows to exclude operator influence and to save time decisively. Furthermore, the achieved test data are automatically sent into the **WETBACK** evaluation software, where they are organized and evaluated in an efficient manner.

The **WETBACK** allows to test coverstocks according to EDANA's test instructions. Extraordinary easy and safe handling avoids operator's influence, saves time and guarantees for reproducibility and comparability of results.

### Scope:

Determination of the rewet properties of nonwoven coverstocks according to EDANA/INDA standards WSP 80.10, equivalent to ERT 151.3 (02) and WSP 70.8, equivalent to ERT 154.0 (02) by an automated test routine in order to improve decisively the reliability and repeatability of the rewet test results.

### Method:

After applying a defined amount of liquid on the prepared sample (strike-through-test\*), a simulated baby weight is automatically lowered onto the specimen with an by EDANA accurately defined speed and remains there for an exactly specified period of time. Through a special filter 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.

The **WETBACK** test has to be effected on the same sample after testing the liquid-strike-through time.\*

### \*Strike-Through-Test:

Strike-Through-Time according to EDANA/INDA WSP 70.3, equivalent to ERT 150.5 (02) and WSP 70.7, equivalent to ERT 153.0 (02) can be determined by the Lenzing **LISTER AC**. The test results of both instruments are evaluated and managed in the same software.

### Description:

According to the EDANA/INDA standards WSP 80.10, equivalent to ERT 151.3 (02) and WSP 70.8, equivalent to ERT 154.0 (02) and ISO reference 9073-14:2002, the **WETBACK** tester consists of a pneumatic stand to automatically lower the integrated weight, and of an electronic precision balance (optional).

### EDANA:

European Disposables And Nonwovens Association

### INDA:

International Nonwovens and Disposables Association

### Pneumatic stand:

to automatically lower and lift the simulated baby weight:

- electronic time
- simulated baby weight with polyurethane foam rubber foot
- absolutely no maintenance
- sample plate included

### Accuracy:

Wet time: 3 min ± 3 s  
 Rewet time: 2 min ± 2 s  
 Simulated baby weight: 4000 g ± 20 g  
 Time to lower weight: 5 s ± 1 s 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.

### Dimensions:

Height: 555 mm  
 Width: 250 mm  
 Depth: 357 mm  
 Weight: approx. 21 kg

### Main supply:

220 V / 50 Hz or  
 110 V / 60 Hz

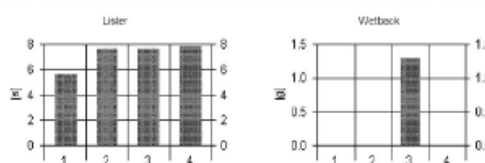
### Options:

- electronic precision balance
- Software
- Lenzing Lister AC

Operator: mayr		Product: L8019	
Device: test1		Notice:	
Nr	Date	Time	Wet[μl]
1	18.11.03	09:24:18	5.62
2	18.11.03	09:25:49	7.61
3	18.11.03	09:26:18	7.65
4	18.11.03	09:26:55	7.65

Number	4	1
Mean	7.17 [μl]	1.30 [μl]
Standard Deviation	0.90 [μl]	0.00 [μl]
Cv:	12.56 [%]	0.00 [%]
Min:	5.62 [μl]	1.30 [μl]
Max:	7.65 [μl]	1.30 [μl]
Range:	2.23 [μl]	0.00 [μl]
Q65:	19.95 [μl]	0.00 [μl]



Example of a results printout