RUNOFF

LENZING INSTRUMENTS

RUN-OFF TESTER

Hygienic disposable products such as baby diapers are expected to possess optimum fluid handling characteristics for maximum leakage prevention, skin protection, functionality and comfort. As one of the vital parts of the diaper, the topsheet or coverstock is designed to quickly transfer fluids to the core while remaining soft and dry. Its function is characterized by key performance indicators such as rewet, strike-through and run-off.

Together with the internationally renowned testing instruments LISTER AC and WETBACK for analysis of the liquid strike-through time and the rewet properties, Lenzing Instruments also offers an automated solution for the run-off test. **RUNOFF** offers controlled and standardized measurement of the run-off liquid collected from a coverstock specimen being exposed to a certain amount of liquid on an inclined table according to INDA/EDANA WSP 80.9.

Lenzing Instruments **RUNOFF** features adjustable dosing volume as well as variable inclination of the run-off table for flexible and individual testing procedures, including the basic, repeated and modified testing procedure as specified by INDA/EDANA. A container replaces the receiver pad for collection of the run-off liquid, meaning easier weighing and lower costs for consumables.

The standardized and automated operation means highest reproducibility and accuracy, and together with LISTER AC and WETBACK, **RUNOFF** gives valuable feedback on the fluid management of the nonwoven material.

NONWOVENS TESTING

The Testing Company

RUNOFF

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Scope:
Automated instrument for standardized and reproducible characterization of the run-off properties of nonwoven coverstock or topsheet positioned on an inclined plane according to INDA/EDANA WSP 80.9.

Method:
On an inclined plane, a nonwoven test specimen is placed on top of a standard absorbent medium. Subsequently, by pressing a button, a defined amount of liquid is poured onto the specimen at a prescribed rate. At the bottom of the plane, the non-absorbed liquid is collected in a container. By weighing the remaining liquid with a precision balance, the run-off properties of the nonwoven material are determined.

Results:
The RO value, i.e. the amount of run-off liquid in gram, is achieved by weighing the collected liquid and subtracting the achieved value from the initially added amount of liquid.

Specifications:
Automated instrument for quantification of the run-off properties of nonwoven coverstock/topsheet according to INDA/EDANA-standards WSP 80.9, equivalent to ERT 152.2.

EDANA:
European Disposables and Nonwovens Association

INDA:
International Nonwovens and Disposables Association

Resolution balance:
(if purchased from Lenzing Instruments)
0.0001 g
surpasses the specifications of the INDA/EDANA standard

Measuring range balance:
(if purchased from Lenzing Instruments)
220 g

Angle of inclined plane:
Adjustable from 5 - 30°

Liquid dosing unit:
Position: 25 mm above the specimen
Flow rate: 25 g in 4 s

Additional features liquid dosing unit:
Adjustable dosing volume and flow rate

Power supply:
230 / 115 VAC ± 10 %,
50 / 60 Hz, 60 W

Dimensions:

Height:	440 mm
Width:	250 mm
Depth:	480 mm
Weight:	13 kg

Technical data and pictures are subject to change!

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