



Hygienic disposable products such as baby diapers are expected to possess optimum fluid handling characteristics for maximum leakage protection, 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 time 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. With **RUNOFF**, the standard receiver pad is replaced by a container that collects the run-off liquid, cutting consumable costs by reducing filter paper usage. **RUNOFF PRO** features an integrated load cell, which determines the mass of the run-off liquid directly, saving time by eliminating the need for separate weighing. The latest measurement result is conveniently displayed on the screen.

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.



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. The mass of the run-off liquid is automatically determined by means of the integrated load cell and the run-off value is displayed on the screen.

Results:

The RO value, i.e. the amount of run-off liquid in gram as well as in percent, is automatically calculated and displayed on the screen directly after the measurement.

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

Integrated load cell:

Max. load: 250 g
Accuracy: 0.01 g

Angle of inclined plane:

Adjustable from 5 - 30°;
wider range on request

Liquid dosing unit:

Adjustable dosing volume and flow rate
Position: 25 mm above the specimen
Flow rate: 25 g in 4 s

Power supply:

230/115 VAC \pm 10 %
50/60 Hz, 60 W

Dimensions:

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

Technical data and pictures are subject to change.