



Declaration of flushability becomes more and more important in line with the increasing use of consumable wipes of nonwoven materials. Incorrect or non-existent labelling for flushability causes problems with clogging, blockages and equipment failure in the conveyance and wastewater treatment systems. The guidelines drawn up by INDA/EDANA include a number of tests, which assists producers in verifying the flushability of their products.

Lenzing Instruments **SLOSH BOX 100** performs the SLOSH Box Disintegration Test (FG502), which assesses the potential for a product to disintegrate when it is subjected to mechanical agitation in water.

The instrument allows for simultaneous testing of up to three samples, which are tilted back and forth for a preset test duration and at a predefined oscillating speed.

With **SLOSH BOX 100**, the disintegration test of your nonwoven products are fulfilled automatically, without any subjective influence of the operator. **SLOSH BOX 100** offers efficient testing and reproducible results according to INDA/EDANA guidelines.

### Scope:

Automatic and reproducible testing of the disintegration of nonwoven material according to FG502 of the INDA/EDANA guidance Document for assessing the Flushability of Nonwovens.

### Method:

A nonwoven sample is put into a container filled with water or wastewater. Automatic oscillating movements of the container forces a disintegration of the sample. After a test duration of 60 minutes, the residuals are analysed. Up to three samples can be tested simultaneously.

### Results:

The residuals of the nonwoven material are rinsed through a sieve. Particles which are retained on the sieve are collected and analyzed gravimetrically. In order to pass the test, more than 60 % of the sample's initial dry mass has to pass through the sieve. This condition must be met for 80 % or more of the minimum 6 replicate articles tested.

### Number of containers:

There are 3 containers for up to 3 samples to be tested simultaneously

### Max. filling capacity of sample container:

3 l (test std. 2 l)

### Dimensions sample container:

Height: 159 mm  
Depth: 305 mm  
Width: 457 mm

### Sieve:

Perforated plate with a sieve opening of 12.5 mm

### Power supply:

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

### Duration oscillating movement:

Freely adjustable: 1 - 720 min  
(test std. 60 min)

### Driving speed:

5 - 50 rpm  
(test std. 26 r / min)

### Dimensions:

Height: 545 mm  
Depth: 565 mm  
Width: 1040 mm  
Weight: approx. 65 kg



Technical data and pictures are subject to change!

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