



The importance of accurately estimated filter stability of geotextiles for various applications is well known. Filter stability and other material characteristics such as drainage, sealing and separating capability, are related to the characteristic opening size of a geotextile material.

With the testing device **GT 1200**, the determination of the characteristic opening size is carried out in an automated and standardized way, with easy handling and reproducibility as a result.

By means of a sieving machine, a wetting device and predefined sand, the characteristic opening size of the sample is analysed by determining the size of the sand grains passing through the material.

The size of the sand grains and the respective weight proportion, which passed through the geotextile sample are subsequently analysed by means of standardized sieves.

Scope:

Automated and easy testing of the characteristic opening size of geotextiles and geotextile-related products according to EN ISO 12956, ASTM D4751 and ASTM D6767

Method:

By means of a sieving machine and a water flow, the amount of predefined sand* which passes through the geotextile is determined. This procedure simulates the process of nature, where rain and moisture may cause landslide.

Results:

The sand grains, which passed through the sample of geotextile material are automatically collected in a funnel. Thereafter they are dried and analyzed for size and respective weight proportion.

Amplitude range:

0 - 1.5 mm

Base sieve:

Wire: 1 mm

Aperture size: 10 mm

Sample size:

130 - 200 mm diameter

Filter paper:

Thickness: < 10 µm

100 pieces included

Wetting device:

Clamping plate with translucent cover, spray nozzle, watertight seals, stainless steel receiver with drainage spout

Data communication:

RS 232 interface

Power supply:

230 / 115 VAC ± 10 %,

50 / 60 Hz

Dimensions:

Height: up to 850 mm

Width: 400 mm

Depth: 350 mm

Weight: approx. 35 kg

Optional:

- Analysis software
- Standard set of sieves according to ISO 3310-1

*Please be informed, that the predefined sand required for the test procedure is to be provided by the customer.

Technical data and pictures are subject to change!

THE TEXTECHNO GROUP

Your reliable partners for
quality improvement

Lenzing Instruments GmbH & Co. KG
A-4851 Gampern, Austria
E-mail: team@lenzing-instruments.com
www.lenzing-instruments.com

LENZING  INSTRUMENTS

Textechno Herbert Stein GmbH & Co. KG
D-41066 Mönchengladbach, Germany
E-mail: info@textechno.com
www.textechno.com

Textechno
textile testing technology