



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 analyzed 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 analyzed 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, water tight seals, stainless steel receiver with drainage spout

### Data communication:

RS 232 interface

### Power supply:

230/115 VAC ± 10%  
50/60 Hz

### Dimensions:

Depth: 350 mm  
Width: 400 mm  
Height: up to 850 mm  
Weight: 35 kg

\* 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.