

Testing of Geosynthetics in wide-width samples according to ISO 10319

Specially designed for the determination of the tensile properties of wide-width geosynthetics under low, ambient and elevated temperatures in testing machine type LFM 75 kN.

Standards and Tests

- **Tensile Strength according to ISO 10319**
of high elongation and wide-width textile and geotextiles samples with max. width of 200 mm
- **Samples:**
Woven and nonwoven geotextiles, geocomposites, knitted geotextiles, felts, geogrids, other open-structure geotextiles and textiles a.s.o.

Machine Frame

- Electromechanical testing machine Type LFM 75
- with extended test space of 2000 mm
- Environmental chamber for temperatures from -70°C up to $+280^{\circ}\text{C}$
- Roller assembly for moving the chamber in and out of the test space

Control and Measurement

- Test procedure in closed loop mode in connection with digital controller Type **PCS 1000** and testing software **DION 7** for test control, data acquisition and print out of test reports.
- Videoextensometer Type VEX 50 for contactless strain measurement
- Data acquisition and calculation of load elongation characteristics including secant stiffness, maximum load per unit width and strain at maximum load.

Testing Devices

- Hydraulic grips Type 135 with extra wide inserts with a clamping area of 70×210 mm for testing under ambient temperatures
- Mechanical grips Type 355 made from stainless steel for high and low temperature testing in the environmental chamber



w+b

walter+bai

Industriestrasse 4
8224 Löhningen, Schweiz - Switzerland

Prüfmaschinen - Testing Machines

Tel. +41 (0)52 687 25 25
Fax +41 (0)52 687 25 20

www.walterbai.com
info@walterbai.com