

PRÜFSTELLE TEXTIL



SÄCHSISCHES
TEXTIL
FORSCHUNGS
INSTITUT e.V.

Durch die Deutsche Akkreditierungsstelle GmbH nach DIN EN ISO / IEC 17025 akkreditiertes Prüflaboratorium. Die Akkreditierung gilt für die in der Urkundenanlage aufgeführten Prüfverfahren.



Durch die Zentralstelle der Länder für Sicherheitstechnik (ZLS) akkreditierte Prüfstelle für Produkte im Sinne der EG-Richtlinie für Persönliche Schutzausrüstungen 89/686/EWG und des §9 Abs. 2 Gerätesicherheitsgesetz



Von der Federation Internationale de L'Automobile (FIA) Paris zugelassene Stelle zur Prüfung von hitze- und flammresistenter Schutzkleidung für Auto-Rennfahrer gemäß Standard FIA 8856-2000

UNTERSUCHUNGSBERICHT | TESTREPORT

Order No. STFI: 2013 2165 (T870/13)
Order No. applicant: without

Date of Test Report: 2013-10-16
Responsible person: Hierhammer

Applicant: GREENMAX
Mr. Marco Brouwers
Postbus 43
5473 Heeswijk-Dinther
Niederlande

Testing application:

Of: 2013-09-30
Order receipt on: 2013-09-30
Sample receipt on: 2013-09-30

Test sample:

Marking by applicant:

Coding for testing:

RootControl Wurzelschutz

sample 01

The sampling happened by the applicant. The test department is not informed about the sampling procedure.

Testing methods:

- (01) DIN EN ISO 9864: 2005-05
Geosynthetics - Test method for the determination of mass per unit area of geotextiles and geotextile-related products
- (02) DIN EN ISO 12236: 2006-11
Geosynthetics - Static puncture test (CBR test)
- (03) DIN EN ISO 10319: 2008-10
Geotextiles - Wide-width tensile test
- (04) ASTM D 4533:2011
Standard test Method for Trapezoid Tearing Strength of Geotextiles

Test results:

Sample 01

| Pos. | Test method | Mean value | Standard deviation |
|------|--|----------------------------------|----------------------------------|
| (01) | Mass per unit area [g/m ²] | 365,35 | 23,09 |
| (02) | Push-through force [kN] Push-through displacement [mm] | 3,49 45,1 | 0,30 1,01 |
| (03) | Tensile strength [kN/m], md Tensile strength elongation [%], md Tensile strength [kN/m], cmd Tens. strength elongation [%], cmd | 25,0 35,7 20,2 55,0 | 3,70 1,84 1,10 5,53 |
| (04) | Tearing Strength [N], md Tearing Strength [N], cmd | 257,69 319,53 | 36,70 54,47 |

The test results refer to the delivered samples. The results are mean values. Statistical surveys and single values are available in the laboratory. It isn't allowed to copy the test report in parts. The testing period is defined as timeframe between receipt of samples and issue date of test report.

Unless otherwise agreed, all materials we received within this order will be kept for a maximum time of 6 months. Materials which are not stored because of technical or safety reasons are excluded from that.



Dr. Matthias Mägel
Head of the Accredited Test Laboratory



Dipl.-Ing. Marian Hierhammer
Special field responsibility