



GeoCert Geosynthetics Testing Australasia

Client Number 9371

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 125 Ngati Maru Highway, Thames, 3578
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Authorised Representative

Mr Joel Sorensen
 Laboratory Manager

Programme

Mechanical Testing Laboratory

Accreditation Number 1307

Initial Accreditation Date 20 August 2018

Conformance Standard

ISO/IEC 17025:2017

General requirements for the competence of testing and calibration laboratories

Laboratory Services Summary

4.62 Textiles
 4.69 Plastics and Plastic Products

Key Technical Personnel

Mrs Meredith Ashby	4.62
Mr Duncan Kruger	4.62, 4.69
Mr Joel Sorensen	4.62, 4.69

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4.62 Textiles

Geosynthetic Materials

Tests on Geosynthetic Materials in accordance with the following methods as specified in AS 3706.1 – Geotextiles - Methods of test, Method 1: General requirements, sampling, conditioning, basic physical properties and statistical analysis and / or TNZ F/7: 2003 – Specification for Geotextiles.

Tests in accordance with the following Australian Standards

(a) Tension and dimensional tests

- AS 2001.2.3.1 Maximum force and elongation at maximum force using the strip method
- AS 2001.2.3.2 Maximum force using the grab method
- AS 2001.2.13 Mass per unit area and mass per unit length of fabrics
- AS 2001.2.15 Thickness of textile fabrics

(b) Tear tests

- AS 3706.3 Tearing strength - Trapezoidal method
- AS 3706.4 Burst strength - California bearing ratio (CBR) - Plunger method
- AS 3706.5 Puncture resistance - Drop cone method

(f) Other tests

- AS 3706.7 Pore-size distribution - Dry-sieving method
- AS 3706.9 Permittivity, permeability and flow rate
- AS 3706.11 Durability - Resistance to degradation by light, heat and moisture
- TNZ F/7: 2003 G-rating (calculated)
- TNZ F/7: 2003 Q-value (calculated)


Tests in accordance with the following ASTM methods

(a) Tension and dimensional tests

- D4632/D4632M-15a(2023) Grab Breaking Load and Elongation of Geotextiles
- D5035-11(2024) Breaking Force and Elongation of Textile Fabrics (Strip Method)
- D5261-10(2024) Measuring Mass per Unit Area of Geotextiles

(b) Tear tests

- D4533/D4533M-15(2023) Trapezoid Tearing Strength of Geotextiles
- D6241-22a Static Puncture Strength of Geotextiles and Geosynthetic-Related Products using a 50mm Probe

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(f) Other tests

- D4355/D4355M-21 Deterioration of Geotextiles by Exposure to Light, Moisture and Heat in a Xenon Arc-Type Apparatus
- D5818-22 Exposure and Retrieval of Samples to Evaluate Installation Damage of Geosynthetics
- D6637/D6637M-15(2023) Tensile Properties of Geogrids by the Single or Multi-Rib Tensile Method
- D6638-18 (modified) Determining Connection Strength between Geosynthetic Reinforcement and Segmental Concrete Units (Modular Concrete Blocks)
- G151-19 Exposing Nonmetallic Materials in Accelerated Test Devices that Use Laboratory Light Sources
- G155-21 Operating Xenon Arc Lamp Apparatus for Exposure of Materials

Tests in accordance with the following Austroads Test Methods

(f) Other tests

- ATM 821 Laddering, Unravelling or Deweaving of a Seamless Knitted Tubular Filter Fabric from a Cut End
- ATM 822 Abrasion Resistance of Seamless Knitted Tubular Filter Fabric
- ATM 823 Weave Stability of Seamless Knitted Tubular Filter Fabric
- ATM 824 Determination of Opening Size of Seamless Knitted Tubular Filter Fabric

Tests on Seamless tubular knitted filter fabric in accordance with the TfNSW test methods as specified in the TfNSW specification D&C 3553 for Seamless tubular knitted filter fabric

Tests in accordance with the following Transport for New South Wales test methods

(a) Tension and dimensional tests

- T1520 Determination of yield seamless knitted tubular filter fabric
- T1523 Weave stability of seamless knitted tubular filter fabric
- T1524 Determination of opening size of seamless knitted tubular filter fabric

(f) Other tests

- T1404 (modified) Ultra violet dry exposure
- T1521 Laddering, unravelling or deweaving of a seamless knitted tubular filter fabric from a cut end
- T1522 Abrasion resistance of seamless knitted tubular filter fabric

4.69 Plastics and Plastic Products

Tests in accordance with the following methods

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(k) Other tests

- CIRIA 737 - Section 4.1.3 Compressive Strength of Plastic Modular Geocellular Units
– Full Platen Method
- CIRIA 737 - Section 4.1.3 Compressive Strength of Plastic Modular Geocellular Units
– Partial Platen (300 mm) Method

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