

Australian Standard®

Geotextiles—Methods of test

Method 1: General requirements, sampling, conditioning, basic physical properties and statistical analysis

1 SCOPE. This Standard sets out general requirements for the testing of fabric intended for use as geotextiles. It sets out sampling and conditioning procedures, the methods for the determination of basic physical properties such as length and mass per unit area, and the principles of statistical analysis to be applied to the other Standards in this series, as appropriate.

2 REFERENCED DOCUMENTS. The documents below are referred to in this Standard.

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| 1587 | Methods for measurements of textile fabrics—Length, width, thickness, mass per unit length and mass per unit area |
| 2001 | Methods of test for textiles |
| 2001.1 | Part 1: Conditioning procedure |
| 2001.2.12 | Part 2.12: Physical tests—Determination of width of fabrics |
| 2001.2.13 | Part 2.13: Physical tests—Determination of mass per unit area and mass per unit length of fabrics |
| 2490 | Sampling procedures and charts for inspection by variables for percent defective |
| 3704 | Geotextiles—Glossary of terms |
| 3706 | Geotextiles—Methods of test |
| 3706.2 | Method 2: Determination of tensile properties—Wide strip method |
| 3706.3 | Method 3: Determination of tearing strength—Trapezoidal method |
| 3706.4 | Method 4: Determination of burst strength—CBR plunger method |
| 3706.5 | Method 5: Determination of puncture-resistance—Drop cone method |
| 3706.6 | Method 6: Determination of seam strength |
| 3706.7 | Method 7: Determination of pore-size distribution—Dry-sieving method |
| 3706.8 | Method 8: Determination of pore-size distribution—Wet sieving method |
| 3706.9 | Method 9: Determination of permittivity |
| 3706.10 | Method 10: Determination of transmissivity |
| 3706.11 | Method 11: Determination of durability—Resistance to degradation by light and heat |
| 3706.12 | Method 12: Determination of durability—Resistance to degradation by hydrocarbons or chemical reagents |
| 3706.13 | Method 13: Determination of durability—Resistance to certain microbiological agents |

3 DEFINITIONS. For the purpose of this Standard, the definitions given in AS 3704 apply.

4 SAMPLING.

4.1 General principles. Bulk samples shall be taken from an identifiable batch in accordance with Clause 4.3, and the results of testing shall apply to that batch. The test sample shall be selected and the test specimens shall be prepared from this sample in accordance with Clause 4.4, and the test specimen shall be marked and stored in accordance with Clause 4.5.