

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 fabrics 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.

AS

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 procedures
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.