

# Australian Standard®

AS 3706.2—2012

## Geotextiles—Methods of test

### Method 2: Determination of tensile properties— Wide strip and grab method

#### 1 SCOPE

This Standard sets out the method for determining the tensile properties of geotextiles in both atmospheric and wet conditions.

#### 2 APPLICATION

This method is applicable to all types of geotextiles, but has limitations for high strength materials (i.e. those having a tensile strength in excess of approximately 85 kN/m) due to specimens slipping in the jaws.

#### 3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

##### AS

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|--------|--|
| 2193   | Calibration and classification of force-measuring systems  |
| 3704   | Geotextiles—Glossary of terms  |
| 3706   | Geotextiles—Methods of test  |
| 3706.1 | Method 1: General requirements, sampling, conditioning, basic physical properties and statistical analysis |

##### BS EN ISO

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|-------|--|
| 10319 | Geosynthetics. Wide width tensile test |
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##### ASTM

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|-------|--|
| D4595 | Test method for tensile properties of geotextiles by the wide width strip method |
| D4632 | Standard test method for grab breaching load and elongation of geotextiles       |

#### 4 PRINCIPLE

The specimen is gripped in the jaws of a tensile testing machine that is operated at a prescribed constant rate of extension. A longitudinal force is applied to the specimen until it ruptures (breaks). Various tensile properties of the test specimen are recorded.

#### 5 DEFINITIONS

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