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STANDARDS AUSTRALIA

RECONFIRMATION

OF

AS 3706.2-2012

Geotextiles — Methods of test

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

RECONFIRMATION NOTICE

Technical Committee CE-020 has reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

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Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 06 September 2023.

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AS 3706.2—2012
Reconfirmed 2023

Australian Standard®

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
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
10319 Geosynthetics. Wide width tensile test

ASTM
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.

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