

STANDARDS AUSTRALIA

RECONFIRMATION

OF

AS 3706.12—2001

Geotextiles—Methods of test

**Part 12: Determination of durability—Resistance to degradation by hydrocarbons
or chemical reagents**

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.

Certain documents referenced in the publication may have been amended since the original date of publication. Users are advised to ensure that they are using the latest versions of such documents as appropriate, unless advised otherwise in this Reconfirmation Notice.

Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 7 February 2018.

The following are represented on Technical Committee CE-020:

Association of Land Development Engineers
Australian Geomechanics Society
Australian Industry Group
AUSTROADS
AWTA Product Testing (Testing Interests Australia)
Chamber of Commerce and Industry Queensland
Consult Australia
CSIRO
Department of Transport and Main Roads (Qld)
Institute of Public Works Engineering Australasia
Technical Textile and Nonwoven Association
Waste Management Association of Australia

NOTES

Geotextiles—Methods of test

Method 12: Determination of durability— Resistance to degradation by hydrocarbons or chemical reagents

1 SCOPE

The Standard sets out the method for determining the durability of geotextiles when subject to testing by hydrocarbons or chemical reagents.

2 APPLICATION

This method is applicable to all geotextiles.

3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

- | | |
|------------|--|
| 2193 | Method of calibration and grading of force-measuring systems of testing machines |
| 2508 | Safe storage and handling information cards for hazardous materials |
| 2508.3.009 | Part 3.009: Hydrocarbon solvents |
| 3704 | Geotextiles—Glossary of terms |
| 3706 | Geotextiles—Methods of test |
| 3706.1 | Method 1: General requirements, sampling, conditioning and basic physical properties, and statistical analysis |

4 PRINCIPLE

Specimens are exposed by immersion to hydrocarbons or chemical reagents under specific conditions. The durability is assessed by comparing the ultimate force and the elongation at ultimate force of exposed specimens with that of unexposed specimens.

5 DEFINITIONS

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

6 APPARATUS

The following apparatus is required:

- Constant-rate-of-extension (CRE) tensile testing machine complying with the requirements for a Grade B machine in accordance with AS 2193, and having an extension rate of 100 mm/min.

The machine should have an autographic recorder with adequate pen response or an interfaced computer to properly record the force/elongation curve.