

STANDARDS AUSTRALIA

RECONFIRMATION

OF

AS 2498.6—1993

Methods of testing rigid cellular plastics

Method 6: Determination of dimensional stability

RECONFIRMATION NOTICE

Major stakeholders of this publication have 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 03 August 2020.

NOTES

Methods of testing rigid cellular plastics

Method 6: Determination of dimensional stability

METHOD

1 SCOPE This Standard sets out a method for determining the dimensional stability of rigid cellular plastics when subjected to specific conditions of temperature and relative humidity.

The method suggests a range of conditions from which one or more of the desired test conditions can be selected.

NOTES:

- 1 Additional conditions may be used as agreed upon by the purchaser and supplier.
- 2 The term 'dimensional stability of a rigid cellular plastic' implies the absence of irreversible change in dimensions in each of three directions perpendicular to each other when a test specimen of specified size is exposed to stated conditions for a specified period. In practice, such irreversible changes do occur and are measured by the method described in this Standard.

2 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS

- 2498 Methods of testing rigid cellular plastics
- 2498.1 Method 1: Sampling and conditioning
- 2498.2 Method 2: Determination of linear dimensions

3 PRINCIPLE The changes of linear dimensions, which occur when the test specimens have been subjected to specified environments for a definite period of time and reconditioned, are determined.

4 APPARATUS

- 4.1 Temperature-controlled or temperature- and humidity-controlled chamber**—capable of maintaining the test specimens within the specified conditions and within the limits specified in the procedure (see Clause 6(b)).
- 4.2 Measuring instruments**—capable of measuring linear dimensions in accordance with AS 2498.2.

5 TEST SPECIMENS

5.1 General Test specimens shall be machined or sawn from the sample so as to have a smooth surface free of cracks. Foam skins shall be removed, unless otherwise specified.