

STANDARDS AUSTRALIA

RECONFIRMATION

OF

AS 2001.2.4—1990

Methods of test for textiles

**Method 2.4: Physical tests—Determination of bursting pressure of textile fabrics—
Hydraulic diaphragm method**

RECONFIRMATION NOTICE

Technical Committee TX-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 6 July 2016.

The following are represented on Technical Committee TX-020:

Ag Research
Australian Wool Processors Council
AWTA Textile Testing
Council of Textile and Fashion Industries of Australia
Drycleaning Institute of Australia
National Association of Testing Authorities Australia
RMIT University
The Textile Institute

NOTES

Australian Standard®

Methods of test for textiles

Method 2.4: Physical tests—Determination of bursting pressure of textile fabrics—Hydraulic diaphragm method

PREFACE

This Standard was prepared by the Standards Australia Committee on Testing of Textiles to supersede AS 2001.2.4, *Determination of bursting pressure of textile fabrics*.

In the preparation of this Standard, the committee has recognized the need to revise certain aspects of the previous Standard relating to the specification of the clamping aperture, type of diaphragm, and fluid flow rate. Guidelines on calibration and verification procedures of the unit using aluminium foil sheet are also incorporated.

A separate Standard for determining the bursting force of textile fabrics (ball burst method) has been published AS 2001.2.19.

In preparing this Standard, cognizance was taken of the following Standards:

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|-------------|--|
| ISO 2960 | <i>Textiles—Determination of bursting strength and bursting distention—Diaphragm method</i> |
| BS 4768 | <i>Method for the determination of the bursting strength and bursting distention of fabrics</i> |
| ASTM D 3786 | <i>Hydraulic bursting strength of knitted goods and non-woven fabrics: Diaphragm bursting strength tester method</i> |

METHOD

1 SCOPE. This Standard sets out two methods for determining the bursting pressure of both wet and dry fabrics.

Method A—Constant flow rate.

Method B—Constant time to rupture.

NOTE: The results obtained by the two methods may not be comparable.

The methods are applicable to all textile fabrics. They are particularly applicable to knitted and other fabrics for which breaking or tearing force determinations are not suitable.

A method for the preparation of fabrics with an extensibility greater than that of the thin flexible diaphragm is given in Appendix A.

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

- | | |
|--------|---|
| AS | |
| 1199 | Sampling procedures and tables for inspection by attributes |
| 1349 | Bourdon tube pressure and vacuum gauges |
| 2001 | Methods of test for textiles |
| 2001.1 | Method 1: Conditioning procedures |
| BS | |
| 4294 | Stretch and recovery properties of fabrics |
| TAPPI* | T403 Method of test for bursting strength of paper |

* Issued by the Technical Association of the Pulp and Paper Industry, USA.