

Australian Standard™

Packaging of items (sterile) for patient care

Part 5: Single-use, non-woven wrapping materials—For goods undergoing sterilization in health care facilities

This Australian Standard was prepared by Committee HE-014, Packaging—Sterile Goods. It was approved on behalf of the Council of Standards Australia on 9 September 2003 and published on 10 November 2003.

The following are represented on Committee HE-014:

Appita

Australian College of Operating Room Nurses

Australian Institute of Packaging

Commonwealth Department of Health and Ageing

Federation of Sterilizing Research and Advisory Councils of Australia

Health Department, W.A.

Medical Industry Association of Australia

N.S.W. Health Department

Queensland Health

South Australian Health Commission

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This Standard was issued in draft form for comment as DR 02564.

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Part 5: Single-use, non-woven wrapping materials—For goods undergoing sterilization in health care facilities

Originated as AS 1079.5—1994.
Second edition 2003.

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Published by Standards Australia International Ltd
GPO Box 5420, Sydney, NSW 2001, Australia

ISBN 0 7337 5515 1

PREFACE

This Standard has been prepared by the Standards Australia Committee HE-014, Packaging-Sterile Goods, to supersede AS 1079.5—1994, *Packaging of items (sterile) for patient care, Part 5: Non-reusable, non-woven wrapping materials—For goods undergoing sterilization in health care facilities*.

This Standard is one of a series which deals with packaging of items (sterile) for patient care. The other Standards in the AS 1079 series are as follows:

- Part 1: Selection of packaging materials for goods undergoing sterilization
- Part 2: Non-reusable papers—For the wrapping of goods undergoing sterilization in health care facilities
- Part 3: Paper bags—For single use in health care facilities
- Part 4: Flexible packaging systems—For single use in hospitals

The objective of this Standard is to provide measurable criteria and test methods, conducted by manufacturers, which may assist users in the selection of single-use non-woven wrapping materials for goods undergoing sterilization.

The principal differences between this edition and the 1994 edition are as follows:

- (a) Test methods, more in keeping with the generation of packaging materials, have been introduced.
- (b) The recognition of 100% non-woven materials, and the combination of synthetic and cellulose products.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

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STANDARDS AUSTRALIA

Australian Standard

Packaging of items (sterile) for patient care

Part 5: Single-use, non-woven wrapping materials—For goods undergoing sterilization in health care facilities

1 SCOPE

This Standard specifies requirements for single-use non-woven materials made of natural or man-made (synthetic) fibres or their blends intended for use as non-reusable wraps for goods undergoing sterilization in health care facilities.

NOTES:

- 1 It is not intended that this Standard inhibit the innovative usage of new non-woven materials, provided that any materials used comply with the requirements of the Standard.
- 2 Wraps made of paper are dealt with in AS 1079.2.
- 3 Products meeting this Standard may be suitable for use in the medical device industry.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

- | | |
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| 1079 | Packaging of items (sterile) for patient care |
| 1079.2 | Part 2: Non-reusable paper—For the wrapping of goods undergoing sterilization in health care facilities |
| 2001 | Methods of test for textiles |
| 2001.2.17 | Method 2.17: Physical tests—Determination of resistance of fabrics to water penetration—Hydrostatic pressure test |
| 2070 | Plastics materials for food contact use |
| 2400 | Packaging |
| 2400.1 | Part 1: Glossary of packaging terms |

AS/NZS

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|-----------|--|
| 1301 | Methods of test for pulp and paper |
| 1301.422s | Method 422s: Determination of the pH value of aqueous extracts of paper, board and pulp—Hot extraction method |
| 4187 | Cleaning, disinfecting and sterilizing reusable medical and surgical instruments and equipment, and maintenance of associated environments in health care facilities |

ISO

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|--------|---|
| 187 | Paper, board and pulps—Standard atmosphere for conditioning and testing and procedure for monitoring the atmosphere and conditioning of samples |
| 1924 | Paper and board—Determination of tensile properties |
| 1924-2 | Part 2: Constant rate of elongation method |
| 2758 | Paper—Determination of bursting strength |
| 3689 | Paper and board—Determination of bursting strength after immersion in water |