

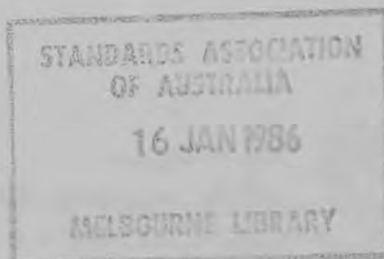
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ABSORBENT WOVEN GAUZE Part 1—COTTON



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The following interests are represented on Committee MS/5:

Australian Confederation of Operating Room Nurses
Australian Hospital Association
Australian Medical Association
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AUSTRALIAN STANDARD

ABSORBENT WOVEN GAUZE

**Part 1
COTTON**

AS 2835.1—1985

First published (as Commercial Standard 10, Part 2, Section 2)	1936
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PREFACE

This standard was prepared by the Association's Committee on Institutional Supplies. It supersedes Commercial Standard 10, Part 2, Section 2, Equipment and Supplies for Use in Public Institutions—Surgical Dressings—Unmedicated Gauze, 1936.

The standard specifies requirements for absorbent woven cotton gauze suitable for use in the manufacture of surgical dressings. Requirements for cotton-viscose gauze are specified in AS 2835.2.

Standards for surgical dressings manufactured from gauze complying with this standard or with AS 2835.2, are in the course of preparation.

In the preparation of this standard, consideration was given to the respective requirements of the British Pharmaceutical Codex 1973, the British Pharmacopoeia 1980 ('BP'), the European Pharmacopoeia (Vol. II) ('Eur. Ph.') and the United States Pharmacopoeia (Vol. XX) ('USP'). However, differences do occur between requirements set out in those publications and in this standard.

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard
for
ABSORBENT WOVEN GAUZE
PART 1—COTTON

SECTION 1. SCOPE AND GENERAL

1.1 SCOPE. This standard specifies requirements for absorbent woven cotton gauze suitable for use in the manufacture of surgical dressings.

1.2 REFERENCED DOCUMENTS. The following standards are referred to in this standard:

- AS 2001** Methods of Test for Textiles
- 2001.2.3 Physical Tests—Determination of Breaking Force and Extension of Textile Fabrics
- 2001.2.5 Physical Tests—Determination of the Number of Threads per Unit Length in Woven Fabric
- 2001.3.1 Chemical Tests—Determination of pH of Aqueous Extract
- 2001.3.4 Chemical Tests—Determination of Solvent-soluble Matter
- 2001.4.8 Colourfastness Tests—Determination of Colourfastness to Water
- AS 2836** Methods for Testing Surgical Dressings and Surgical Dressing Materials
- 2836.2 Method for the Identification of Cotton and Viscose Fibres
- 2836.3 Method for the Determination of Mass per Unit Area
- 2836.5 Method for the Determination of Sinking Time
- 2836.7 Method for the Determination of Level of Surface-active Substances

- 2836.8 Method for the Determination of Quantity of Water-soluble Substances
- 2836.9 Method for the Determination of the Presence of Starch and Dextrins
- 2836.10 Method for the Determination of the Presence of Fluorescing Substances
- 2836.11 Method for the Determination of Sulphated Ash Content

1.3 CLASSIFICATION. Absorbent woven cotton gauze shall be classified as one of the grades specified in Table 1.1.

Where gauze is classified as a particular grade, it shall comply with all requirements specified in Table 1.1 for that grade and shall not comply with all requirements of any higher grade.

NOTE: For the purposes of this Clause, A is regarded as the lowest and K as the highest grade of gauze.

For classification, the properties of the gauze shall be determined in accordance with the following test methods:

Threads/centimetre (warp and weft) . . . AS 2001.2.5
Breaking force (warp and weft) AS 2001.2.3*
Mass per unit area AS 2836.3†

* Ravelled Strip Method.

† Using 1 test specimen.

TABLE 1.1
CLASSIFICATION OF COTTON GAUZE

Grade (See Note)	Warp threads per centimetre, minimum mean	Weft threads per centimetre, minimum mean	Warp breaking force, minimum mean (N/50 mm)	Weft breaking force, minimum mean (N/50 mm)	Mass per unit area, minimum g/m ²
A	4.7	3.1	35	20	13.8
B	6.9	5.3	35	20	14.0
C	6.6	5.6	35	20	17.0
D	7.1	3.1	40	25	20.0
E	9.5	6.6	50	30	23.0
F	9.5	7.5	50	30	24.0
G	11.4	7.5	60	35	27.0
H	11.4	9.5	60	40	30.0
I	11.4	11.4	60	50	32.0
J	13.4	9.5	70	40	32.0
K	17.8	11.2	80	60	35.0

NOTE: Grades A to K correspond to the minimum requirements of USP Type VIII, BP Type 13 Light, Eur. Ph. Type 13 Heavy, USP Type VII, Eur. Ph. Types 17, 18, 20, 22, 24a, 24b and BP Muslin respectively.