

STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard

METHODS OF TEST FOR TEXTILES

PART 5—DIMENSIONAL CHANGE

AS 2001.5.4
DETERMINATION OF DIMENSIONAL CHANGE IN
LAUNDERING OF TEXTILE FABRICS AND GARMENTS—
AUTOMATIC MACHINE METHOD

PREFACE

This edition of this standard was prepared by the Association's Committee on Testing of Textiles. It supersedes in part AS 1287, Methods for the Determination of Dimensional Change in Fabrics, Part 5—1974, Dimensional Change in Laundering of Woven and Knitted Fabrics and Garments.

A separate standard for determining dimensional change in laundering of textile fabrics and garments using the Cubex machine method has been documented as AS 2001.5.5.

In the preparation of this standard, the Committee has recognized the need to include both industrial and domestic washing treatments along with alternative drying procedures which are commonly used in the textile laundering process. The washing treatments outlined in this standard are based on—

- (a) a horizontal drum front-loading type of machine; *or*
- (b) a top-loading agitator type of machine.

This standard is largely based on the ISO Standard ISO 6330—1984, Textiles—Domestic washing and drying procedures for textile testing. Alternative washing machines with similar means of agitation to those specified may be acceptable where comparative testing has been conducted to establish if any changes in performance are evident on identical fabrics or garments.

 METHOD

1 SCOPE. This standard sets out methods for determining the dimensional changes of textile fabrics and garments during the laundering process.

The methods provide for—

- (a) ten washing procedures based on the use of a horizontal drum, front-loading type of machine; and
- (b) nine washing procedures based on the use of a top-loading, agitator type of machine.

The results obtained with the two types of machine may not be comparable.

Each washing procedure represents a single wash.

This standard also sets out five drying procedures:

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|-------------|---------------|
| A—Line dry. | D—Flat press. |
| B—Drip dry. | E—Tumble dry. |
| C—Flat dry. | |

2 APPLICATION. The method(s) is applicable to fabrics and garments made from natural and man-made fibres.

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

- AS 2001 Methods of Test for Textiles
 - AS 2001.1 Conditioning Procedures.
 - AS 2001.5.1 Dimensional Change—General Requirements.

4 PRINCIPLE. Specimens of the fabric or garments under test are marked, measured and washed in the automatic washing machine in standard washing solutions. After the washing cycle, they are dried according to one of the procedures available, and the resultant dimensional changes are measured, calculated and reported.