
**Textiles — Preparation, marking and
measuring of fabric specimens and
garments in tests for determination of
dimensional change**

*Textiles — Préparation, marquage et mesurage des éprouvettes d'étoffe
et des vêtements dans les essais de détermination de la variation des
dimensions*



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 3759 was prepared by Technical Committee ISO/TC 38, *Textiles*, Subcommittee SC 2, *Cleansing, finishing and water resistance tests*.

This fourth edition cancels and replaces the third edition (ISO 3759:1994), which has been technically revised to include Technical Corrigendum 1:1999 and Technical Corrigendum 2:2004.

The principal modifications with respect to the fourth edition are the following.

- a) The method has been extended to cover knit fabrics.
- b) The calculation for percentage change has been corrected in accordance with the Technical Corrigendums.

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Textiles — Preparation, marking and measuring of fabric specimens and garments in tests for determination of dimensional change

1 Scope

This International Standard specifies a method for the preparation, marking and measuring of textile fabrics, garments and fabric assemblies for use in tests for assessing dimensional change after a specified treatment, e.g. washing, dry cleaning, soaking in water and steaming, following the procedures in ISO 3005, ISO 7771, ISO 6330 or ISO 3175. This standard is applicable to woven and knitted fabrics and made-up textile articles. The procedures are not applicable to certain upholstery coverings.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 139, *Textiles — Standard atmospheres for conditioning and testing*

ISO 3005, *Textiles — Determination of dimensional change of fabrics induced by free-steam*

ISO 3175 (all parts), *Textiles — Professional care, drycleaning and wetcleaning of fabrics and garment*

ISO 6330, *Textiles — Domestic washing and drying procedures for textile testing*

ISO 7771, *Textiles — Determination of dimensional changes of fabrics induced by cold-water immersion*

ISO 22198, *Textiles — Fabrics — Determination of width and length*

3 Principle

The specimens are selected to represent the bulk of the textile under examination. Pairs of reference points are marked on each specimen, and the distance between each pair of reference points is measured before and after specified treatments.

4 Apparatus

4.1 Ruler, or flexible steel ruler or glass-fibre tape, marked in millimetres and longer than the greatest dimension being measured.

The accuracy of glass-fibre tapes should be verified at least every six months.

4.2 Equipment for marking precise reference points, such as:

- a) **indelible ink**, for use, if necessary, with a template with a measuring grid;
- b) **fine threads of contrasting colour**, sewn into the fabric;