

## Wide Circulation Draft

भारतीय मानक ब्यूरो

BUREAU OF INDIAN STANDARDS

*Draft for comments only*

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भारतीय मानक मसौदा

वस्त्रादि — कपड़ों के आयामी परिवर्तन का निर्धारण — त्वरित मशीन विधि

*Draft Indian Standard*

**Textiles — Determination of dimensional change of fabrics — Accelerated machine method**

ICS: 59.080.30

Chemical Methods of Test  
Sectional Committee, TXD 05

Last date for receipt of comments is  
15 September 2025

### NATIONAL FOREWORD

*(Formal clauses will be added later)*

This Indian Standard which is identical with ISO 23231:2025 ‘Textiles — Determination of dimensional change of fabrics — Accelerated machine method’ issued by the International Organization for Standardization (ISO).

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’.
- Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In the standard intended to be adopted, reference appears to certain International Standard for which Indian Standard also exist. The corresponding Indian Standards which are to be substituted in their respective places are listed below along with their degree of equivalence for the edition indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
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ISO 6330, Textiles — Domestic washing and drying procedures for textile testing	IS 15370: 2023/ISO 6330:2021 Textiles — Domestic Washing and Drying Procedures for Textile Testing ( Second Revision )	Identical with ISO 6330:2021
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In reporting the result of a test or analysis made in accordance with this standard, if the final value; observed or calculated, is to be rounded off, it shall be done in accordance with IS 2: 2022 ‘Rules for rounding off numerical values (*second revision*)’.

**Extract of ISO 23231:2025 ‘Textiles — Determination of dimensional change of fabrics — Accelerated machine method’.**

## 1 SCOPE

This document specifies a test method for an accelerated procedure for the determination of the dimensional change of fabrics which will then be made into garments or other end-use articles that will be laundered in a variety of settings. The procedure uses an apparatus with programmable settings that simulate multiple domestic or industrial laundering actions as well as wet processing operations in fabric manufacturing. This method is less suitable for heavy, tightly woven fabrics, such as denim, and fabrics with water-repellent finish. This method and the apparatus are not intended to be used to develop care labels.

## 2 NORMATIVE REFERENCES

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 6330, Textiles — Domestic washing and drying procedures for textile testing

## 3 TERMS AND DEFINITIONS

For the purposes of this document, the following terms and definitions apply.

### 3.1 Dimensional change

change in length or width of a fabric specimen subjected to specified conditions

Note 1 to entry: The change is usually expressed as a percentage of the initial dimension of a specimen.

### 3.2 Growth

(of textile materials) dimensional change (3.1) resulting in an increase of length or width of a specimen.

### **3.3 Laundering**

(of textile materials) process intended to remove soils and/or stains by treatment (washing) with an aqueous detergent solution and normally including subsequent rinsing, extracting and drying.

### **3.4 Shrinkage**

(of textile materials) dimensional change (3.1) resulting in a decrease in the length or width of a specimen.

## FORMAT FOR SENDING COMMENTS ON BIS DOCUMENTS

(Please use A4 size sheet of paper only and type within fields indicated. Comments on each clause/sub clause/table/fig etc. be started on a fresh box. Information in column 3 should include reasons for the comments and suggestions for modified working of the clauses when the existing text is found not acceptable. Adherence to this format facilitates Secretariat's work)

*Please e-mail your comments to [txd@bis.gov.in](mailto:txd@bis.gov.in) or faxed on 011-23231282.*

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Item, Clause Sub-Clause No. Commented upon (Use Separate Box afresh)	Comments	Specific Proposal (Draft clause to be add/amended)	Remarks	Technical References and justification on which (2), (3), (4) are based
(1)	(2)	(3)	(4)	(5)