



SLOVENSKI STANDARD

SIST EN 25077:1996

01-maj-1996

Tekstilije - Ugotavljanje dimenzijskih sprememb pri pranju in sušenju

Textiles - Determination of dimensional change in washing and drying (ISO 5077:1984)

Textilien - Bestimmung der Maßänderung beim Waschen und Trocknen (ISO 5077:1984)

Textiles - Détermination des variations dimensionnelles au lavage et au séchage domestiques (ISO 5077:1984)

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Ta slovenski standard je istoveten z: **EN 25077:1993**

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ICS:

59.080.01 Tekstilije na splošno Textiles in general

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en

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EUROPEAN STANDARD

EN 25077

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 1993

UDC 677.017.635:648.23 + 648.33

Descriptors: Textiles, fabrics, garment, washing, drying, tests, dimensional stability tests

English version

**Textiles - Determination of dimensional change in
washing and drying (ISO 5077:1984)**

Textiles - Détermination des variations dimensionnelles au lavage et au séchage domestiques (ISO 5077:1984) **STANDARD PREVIEW** Textilien - Bestimmung der Maßänderung beim Waschen und Trocknen (ISO 5077:1984)

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This European Standard was approved by CEN on 1993-11-25. CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Foreword

This European Standard has been taken over by CEN/TC 248 "Textiles and textile products" from the work of ISO/TC 38 "Textiles" of the International Organization for Standardization (ISO).

This document was submitted to the Unique Acceptance Procedure (UAP) and was approved without any modification.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 1994, and conflicting national standards shall be withdrawn at the latest by May 1994.

In accordance with the CEN/CENELEC Internal Regulations, following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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Endorsement notice
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The text of the international standard ISO 5077:1984 has been approved by CEN as a European Standard without any modification.

NOTE: Normative references to international publications are listed in annex ZA (normative).

Annex ZA (normative)
Normative references to international publications
with their relevant European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO 139	-	Textiles - Standard atmospheres for conditioning and testing	EN 20139	-
ISO 3759	-	Textiles - Preparation, marking and measuring of fabric specimens and garments in tests for determination of dimensional change		-
ISO 6330	-	Textiles - Domestic washing and drying procedures for textile testing	EN 26330	-

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International Standard



5077

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Textiles — Determination of dimensional change in washing and drying

Textiles — Détermination des variations dimensionnelles au lavage et au séchage domestiques

First edition — 1984-12-01

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UDC 677.017.635 : 648.23 + 648.33

Ref. No. ISO 5077-1984 (E)

Descriptors: textiles, fabrics, garment, washing, drying, tests, dimensional stability tests.

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. Every 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 5077 was prepared by Technical Committee ISO/TC 38, *Textiles*.

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Textiles — Determination of dimensional change in washing and drying

1 Scope and field of application

This International Standard specifies a method for determination of the dimensional change of fabrics, garments or other textile articles when subjected to an appropriate combination of specified washing and drying procedures.

In the case of textile articles or deformable materials, it is necessary to exercise all possible caution in the interpretation of the results.

2 References

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

ISO 3759, *Textiles — Preparation, marking and measuring of fabric specimens and garments, in tests for determination of dimensional change.*

ISO 6330, *Textiles — Domestic washing and drying procedures.*

3 Principle

The specimen is conditioned in the specified standard atmosphere and measured before subjection to the appropriate washing and drying procedures. After drying, conditioning and remeasuring of the specimen, the changes in dimensions are calculated.

4 Apparatus and reagents

As specified in ISO 3759 and in ISO 6330.

5 Atmospheric conditions

The atmospheric conditions required for pre-conditioning and testing are specified in ISO 139.

6 Test specimens

6.1 The selection, dimensions, marking and measuring of test specimens are specified in ISO 3759.

6.2 The number of specimens to be tested is determined by the precision of the results required. In this test method, it is suggested that four specimens of each sample be tested and that these specimens be washed in two separate wash loads with two specimens per wash load (replicates per run). See the annex.

6.3 In certain circumstances, it may be desirable not to test four specimens, and fewer specimens may be used.

7 Procedure

7.1 Determine the original length and width dimensions, as appropriate, after the specimens have been pre-conditioned, conditioned and measured according to the procedure specified in ISO 3759.

7.2 Wash and dry the specimens according to one of the procedures specified in ISO 6330, as agreed between the interested parties.

7.3 After washing and drying, condition and measure the specimens and calculate the dimensional change of the specimens according to the procedure specified in ISO 3759.

8 Expression of results

8.1 Calculate the mean changes in dimensions in both the length and width directions in accordance with the arrangement in ISO 3759 as follows:

$$\text{Percentage change in length} = \frac{\text{Final length} - \text{Original length}}{\text{Original length}} \times 100$$

$$\text{Percentage change in width} = \frac{\text{Final width} - \text{Original width}}{\text{Original width}} \times 100$$

8.2 Express the average dimensional changes to the nearest 0,5 %.

8.3 State whether the dimension has decreased (shrinkage) by means of a minus sign (–) or increased (extension) by means of a plus sign (+).