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## Textiles — Woven fabric descriptions

*Textiles — Désignation des tissus*

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Published in Switzerland

## Foreword

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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 2959 was prepared by Technical Committee ISO/TC 38, *Textiles*, Subcommittee SC 20, *Fabric descriptions*.

This second edition cancels and replaces the first edition (ISO 2959:1973), of which it constitutes a minor revision to address the addition of a normative reference (ISO 3572) in 3.5. Minor editorial changes have also been made.

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# Textiles — Woven fabric descriptions

## 1 Scope

This International Standard gives a number of characteristic parameters for woven fabrics and their constituents at various stages of manufacture and processing for the purpose of fabric designation. It is not intended that the list of parameters is exclusive and additional information can be given as required.

It is applicable to all woven fabrics except textile floor 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 1139, *Textiles — Designation of yarns*

ISO 1833 (all parts), *Textiles — Quantitative chemical analysis*

ISO 2076, *Textiles — Man-made fibres — Generic names*

ISO 3572, *Textiles — Weaves — Definitions of general terms and basic weaves*

## 3 Fabric parameters

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### 3.1 State of fabric

For example, loomstate, bleached, dyed.

### 3.2 Composition

**3.2.1** Generic names of man-made fibres shall be used as given in ISO 2076.

**3.2.2** In the case of fabrics composed of only one kind of fibrous material, state the generic name of the fibre.

**3.2.3** In the case of fabrics consisting of warp threads and weft threads composed of different kinds of fibrous material, state the generic names of both fibres separately.

**3.2.4** In all cases, state the percentage by mass, together with the generic name of each component fibre type in the order of predominance. For the calculation and expression of results, see ISO 1833.

### 3.3 Designation of yarns

In accordance with ISO 1139.

### 3.4 Threads per unit length

State this for both warp and weft.

### 3.5 Weave

In accordance with ISO 3572.

### 3.6 Warp and weft arrangement

If applicable.

### 3.7 Fabric width

State overall and/or useable width, as relevant.

### 3.8 Mass per unit area

### 3.9 Processing particulars

If applicable. For example, beached, dyed, printed, mechanically shrunk, etc., as appropriate.

EXAMPLE Fabric description for a type of polyester/cotton poplin is as follows:

- a) State of fabric: dyed.
- b) Composition: 67 % polyester, 33 % cotton.
- c) Yarn designation: warp — 15 tex Z 950;  
weft — 15 tex Z 950.
- d) Threads per unit length: warp — 50 per cm;  
weft — 26 per cm.
- e) Weave: plain.
- f) Width: 90 cm overall.
- g) Mass: 115 g/m<sup>2</sup>.
- h) Processing particulars: piece dyed, khaki, mechanically shrunk, and heat set.

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**ICS 59.080.30**

Price based on 2 pages