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**Specification for shrink resistance
requirements of woven cotton fabrics**

ICS: 59.080.01

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Foreword

This Ethiopian Standard has been prepared under the direction of Technical Committee for Textile-Fabrics (TC 70) and published by the Ethiopian Standards Agency (ESA).

In preparing this Ethiopian Standard reference has been made to the following:
IS 10100: 1982 Specification for shrink resistance requirements of woven cotton fabrics;
published by Bureau of Indian Standard(BIS)

Acknowledgement is made for the use of information from the above publication.

DRAFT STANDARD

Specification for shrink resistance requirements of woven cotton fabrics

1. SCOPE

This Ethiopian standard prescribes the requirements to be fulfilled by the fabrics which have undergone the process of imparting the dimensional stability or (shrink resistance) to the fabric.

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.

ES ISO 23231 Textiles - determination of dimensional change of fabrics – Accelerated machine Method

ES 6700 Code for inland packaging of manmade or cotton fiber yarn and fabrics

3. Terms and Definition

For the purpose of this standard the definition ES ISO 6938 and the following definitions shall apply.

3.1.

Dimensional Change:

The decrease or increase in dimensions (in length or width or both) after subjecting the fabric to the prescribed test expressed as a percentage of the corresponding dimensions before such test.

3.2.

Shrink resistant

A fabric which has dimensional stability in warp way and weft way.

4. REQUIREMENTS

4.1. The dimensional change of the cloth both in warp way and weft way shall not be more than ± 1 percent.

4.2. The percentage of warp way and weft way dimensional changes of the fabric shall be determined by methods prescribed in ES ISO 23231

5. Packaging, Labeling and Marking

5.1. Packing

5.1.1. Unless otherwise required, each piece shall be rolled, full-width and face inward, on an acceptable tube.

5.1.2. Only pieces of the same type, width, design (when relevant), colour(s) and finish shall be packed together in a bulk container and shall be comply with ES 6700.

5.2. Labeling and Marking

5.2.1. The cloth shall be marked with the following information:

- a) Name of the material
- b) Length and Width
- c) shrink percentage
- d) Indication of manufacturer name

Organization and Objectives

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ESA's objectives are:-

- ❖ Develop Ethiopian standards and establish a system that enable to check whether goods and services are in compliance with the required standards,
- ❖ Facilitate the country's technology transfer through the use of standards,
- ❖ Develop national standards for local products and services so as to make them competitive in the international market.

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