



DRAFT TANZANIA STANDARD

Textiles – Poplin varieties - Specification

Draft for Stakeholders' comments only

TANZANIA BUREAU OF STANDARDS

FOREWORD

Poplin is generally defined as a fabric in which the end density is about twice the pick density and either the warp and weft counts are equal or the weft count is slightly coarser.

The general range of construction of poplins is 35 ends to 50 ends per centimetre with corresponding pick densities. The general weight per square metre of the fabric is between 85 to 150 g/m².

The varieties of poplins can be of superfine, fine and medium or light, medium and heavy, which may be bleached, dyed or printed.

In the preparation of this Draft Tanzania Standard assistance has been obtained from the following standard:

IS 188:2004 - Textiles — Cotton poplin – Specification, published by Indian Standards Institution.

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1. SCOPE

This Draft Tanzania Standard prescribes the requirements of varieties of cotton poplin, bleached or dyed. This Draft Tanzania Standard does not specify general appearance, feel or shade of the cloth.

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:

- TZS 20: *Textiles – Woven fabrics – Determination of number of threads per centimeter*
- TZS 21: *Textiles – Woven or knitted fabrics – Determination of mass per unit length and per unit area*
- TZS 22: *Textiles – Woven fabrics – Determination of breaking load and Extension*
- TZS 23: *Textiles – Test for colour fastness to light: Xenon arc*
- TZS 26: *Textiles – Determination of conductivity, pH, water soluble matter, chloride and sulphate in aqueous extracts*
- TZS 40: *Textiles – Tests for colour fastness to light: Daylight*
- TZS 44: *Textiles – Woven or knitted fabrics – Determination of length and width*
- TZS 137: *Textiles – Determination of dimensional changes of woven and knitted fabrics and garments: Machine method*
- TZS 138: *Textiles – Test for colour fastness to rubbing*
- TZS 139: *Textiles – Determination of linear density of yarn removed from fabric free from added matter*
- TZS 167: *Textiles – Tests for colour fastness to washing: Test 3*
- TZS 280: *Textiles – Tests for colour fastness – colour fastness to perspiration.*

3. STANDARD PATTERNS

- 3.1 Buyer and seller shall agree upon standard patterns.
- 3.2 These standard patterns shall then be reference samples for shade, appearance, handle and construction particulars not prescribed in this Draft Tanzania Standard

4. MANUFACTURE

4.1 Yarn

The yarn used in the manufacture of the poplin shall be satisfactory in evenness and reasonably free from spinning defects.

4.2 Cloth

The cloth shall be free from dressing and filling materials and from substances liable to cause subsequent tendering. The cloth shall be mercerized.

- 4.2.1 The cloth shall be free from blueing or optical whitening agents.

5. REQUIREMENTS

5.1 Dimensions

The length and width of the poplin, when delivered, shall be as stated in the contract, with allowable tolerances as given in TZS 44 (Clause 2).

5.2 Construction

The construction of the poplin, when delivered, shall be as stated in the contract or by reference to the standard patterns, with allowable tolerances no greater than given in Table 1 of this Draft Tanzania Standard.

5.3 Colour fastness

The colour fastness properties of dyed or printed poplin, when delivered, shall be as given in Table 2, of this Draft Tanzania Standard.

5.4 Shrink resistance

Shrinkage of the poplin when tested according to TZS 137 (See Clause 2) shall not exceed the values given in Table 2 of this Draft Tanzania Standard.

Table 1 – Tolerances of Poplin

S/N	Characteristics	Tolerance	Method of Test (See Clause 2)
1	Count of warp and weft yarn	±3 %	TZS 139
2	Ends and picks per cm	+1 -0.5	TZS 20
3	Mass per unit area g/m ²	+6% -4%	TZS 21

Table 2 – Requirements of Poplin

S/N	Characteristics	Requirements	Method of Test (See Clause 2)
1	Colour fastness to	a) Washing Change in shade Staining of adjacent fabric	4 or better TZS 167
		b) Rubbing Dry Wet	4 or better 3 or better TZS 138
		c) Perspiration Change in shade Staining of adjacent fabric	4 or better 3 or better TZS 280
		d) Light	4 or better TZS 23 or TZS 40
2	pH value	6.0 – 8.5	TZS 26
3	Shrinkage (Warp and Weft direction), % <i>max</i> , a) Pre-shrunk varieties b) Non-pre-shrunk varieties	1 5	137

6. MARKING

The cloth shall be marked with the following information:

- a) type of material, namely cotton poplin,
- b) manufacturer's name or trade mark,
- c) dimension of the piece,
- d) production lot number and batch number, and
- e) type of finish such as bleached, dyed, pre-shrunk or mercerised.

7. PACKING

The cloth shall be packed in water proof bags and only pieces of the same type shall be packed together.

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