



DRAFT TANZANIA STANDARD

Textiles – Knitted polyester fabric – Specification

TANZANIA BUREAU OF STANDARDS

FOREWORD

This Draft Tanzania Standard is being developed by the Apparel Technical Committee under supervision of the Textile and Leather Divisional Standards Committee and it is in accordance with the procedures of the Tanzania Bureau of Standards. This Draft Tanzania Standard is issued to help Knitted Polyester fabric producers to manufacture fabrics of a defined quality.

1. SCOPE

This Draft Tanzania Standard specifies the requirements for knitted polyester fabric for apparel purposes.

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 21: Textiles – Methods for determination of mass per unit length and per unit area of a woven or knitted fabric

TZS 23: Textiles – Method for determination of colour fastness of textile materials to artificial light (xenon arc)

TZS 26: Textiles – Determination of conductivity, pH, water soluble matter, chloride and sulphate in aqueous extracts

TZS 27: Textiles – Determination of dimensional change of fabric – Cold water immersion

TZS 44: Textiles – Method for determination of length and width of woven or knitted fabric

TZS 138: Textiles – Tests for colour fastness – Colour fastness to rubbing

TZS 167: Textiles – Method for determination of colour fastness of textile materials to washing – Test 3

TZS 280: Textiles – Tests for colour fastness – Colour fastness to perspiration

TZS 327: Textiles – Binary fibre mixtures – Quantitative chemical analysis

TZS 692: Textiles – Guide for care – Labelling of textiles for laundering and dry-cleaning

ISO 2859/1, Sampling procedures for inspection by attributes – Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection

3. TERMS AND DEFINITIONS

For the purpose of this Draft Tanzania Standard, the following terms and definitions shall apply:

3.1 Knitted fabric

textile that results from knitting, the process of inter-looping of yarns or inter-meshing of loops

3.2 Apparel

clothing, especially outerwear; garments.

4. REQUIREMENTS OF KNITTED POLYESTER FABRIC

4.1 **General** – The fabric shall be made in accordance with the good manufacturing practice, shall be of uniform make, width, colour and finish.

4.2 **Composition** – When tested in accordance with TZS 327 (see clause 2) the fabric shall consist of 100 % polyester yarns as given in Table 1.

4.3 Width – The width of the fabric when measured in accordance with TZS 44 (see clause 2) shall be as declared subject to a tolerance of + 3 % as given in Table 1.

4.4 Length – The length of the fabric when measured in accordance with TZS 44 (see clause 2) shall be as declared subject to a tolerance of + 1 % as given in Table 1.

4.5 Colour fastness – The colour fastness ratings of the fabric shall be as given in Table 1.

4.6 Dimensional changes – When tested in accordance with TZS 27 (see clause 2) the dimensional changes shall not exceed 0.5 %.

4.7 Mass per unit are, g/m² – The mass per unit area of the fabric when tested in accordance with TZS 21 shall be as declared subject to a tolerance of 5 %.

Table 1. Specification requirements

S/N	Characteristics		Requirements	Test methods
1	Material composition		100% Polyester yarn	TZS 327
2	Dimensions, Length Width		Subject to tolerance of ± 1 %. ± 3 %.	TZS 44
3	Colours fastness to:	a) Laundering/washing Shade change Staining	4 or better 3 or better	TZS 24/167
		b) Dry-cleaning Shade change	4 or better	TZS 529
		c) Rubbing: Wet Dry	4 or better 3 or better	TZS 138
		d) Perspiration Shade change Staining Grade	4 or better 3 or better	TZS 280
		e) Light	5	TZS 23
4	pH value		6.0 to 8.0	TZS 26
5	Mass per unit area, g/m ²		As declared by manufacturer and buyer	TZS 21

5. PACKING AND MARKING

5.1 Packing

Fabric shall be rolled and packed in tubular polythene bags to prevent soiling.

5.2 Marking

The following information shall appear in legible and indelible marking on a label attached securely to the outer layer of each piece of fabric:

- a) 100% knitted polyester fabric;

- b) Width in centimetres and length in metres;
- c) Mass per unit area, g/m²;
- d) Manufacturer's name, address and/or trade mark;
- e) Care instructions in accordance with TZS 692 (see clause 2);
- f) Country of origin.

6. SAMPLING FOR INSPECTION AND TESTING

The buyer and the seller shall agree upon acceptable quality levels and the scale of sampling for inspection and testing shall be sufficiently adequate to ensure conformity to this agreed quality level.

NOTE – Assistance with sampling plans can be obtained from Tanzania Bureau of Standards or by reference to ISO 2859/1 and ISO 3951 (see clause 2).