



DRAFT TANZANIA STANDARD

Textiles – Knit Swimwear Fabrics – Specification

DRAFT FOR STAKEHOLDERS' COMMENTS ONLY

TANZANIA BUREAU OF STANDARDS

0. FOREWORD

This Draft Tanzania Standard is issued to help manufacturers of Knit swimwear fabrics to come up with products of defined quality. This Tanzania Standard covers the requirements of variety of knitted swimwear fabrics.

In the preparation of this Draft Tanzania Standard, assistance was derived from:

ASTM D3996-14 - *Standard Performance Specification for Knit Swimwear Fabrics*

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1. SCOPE

This Draft Tanzania Standard specifies performance requirements, sampling, and test methods of circular and warp knitted fabrics for use in knit swimwear, composed of any textile fiber or a mixture of textile fibers.

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 – Woven or knitted fabrics – Determination of mass per unit length and per unit area*

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 27: *Determination of dimensional change of woven fabrics-Cold water immersion*

TZS 138: *Textiles – Test for colour fastness to rubbing*

TZS 24: *Method for determination of colour fastness of textile materials to washing.*

Test 4: *severe washing*

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

TZS 326: *Textiles – Ternary fiber mixtures – Quantitative analysis*

TZS 327: *Textiles – Binary fiber mixtures – Quantitative chemical analysis*

3. TERMS AND DEFINITIONS

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

3.1 swimwear

clothing suitable to wear while swimming or bathing

3.2 circular knitted fabric

fabric knitted in tubular form by machine and usually later shaped or cut

3.3 warp knitted fabric

fabric produced by machine with the yarns running in a lengthwise direction

4. REQUIREMENTS

4.1 The properties of fabrics for knitted swimwear shall conform to the specification requirements as given in Table 1.

Table 1 – Requirements for knitted swimwear

Parameter			Requirement	Test method
Material composition, %			Shall be as declared subject to a tolerance of ±2	TZS 326 TZS 327
Bursting strength, kPa, min			110	ISO 13938-2
Dimensional changes, Shrinkage or elongation, %, <i>max.</i>			±2	TZS 27
pH value			6.0 to 8.5	TZS 26
Colour fastness to	Light		4 or better	TZS 23
	Washing		4 or better	TZS 24
	Rubbing	Dry	4 or better	TZS 138
		Wet	3 or better	TZS 138
	Perspiration		4 or better	TZS 280
Dye properties	Non-carcinogenic Non-allergic			TZS 2007-2

5. MARKING

5.1 The knit swimwear shall be marked with the following:

description of the material.

- manufacturer's name, address or reference (initials or trademark) and if required supplier's name or reference,
- design number, and
- size.

6. PACKING

The knit swimwear shall be packed in bales or cases in conformity with the procedure agreed upon between the buyer and the manufacturer.

7. SAMPLING

7.1 Lot

The quantity of swimwear of the same quality delivered to one buyer against one dispatch note shall constitute a lot.

7.1.1 The conformity of the lot to the requirements of this Draft Tanzania Standard shall be determined based on tests carried out on the samples selected from the lot.

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7.1.2 Unless otherwise agreed upon between the buyer and manufacturer, the number of pieces to be selected at random from a lot shall be in accordance with Table 2.

Table 2 – Sampling size and permissible number of non-conforming pieces

Number of pieces in the lot	Sample size (No. of pieces to be selected)	Permissible no. Non-conforming pieces	Sub-sample size (No. of pieces to be selected)
Up to 25	3	0	2
26 to 50	5	0	2
51 to 150	8	0	3
151 to 300	13	1	3
301 to 500	20	1	5
501 to 1000	32	2	5
1000 and above	50	3	8