



Textiles — Non-woven fabrics — Specification

Draft for stakeholders comments only!

TANZANIA BUREAU OF STANDARDS

Foreword

This Draft Tanzania Standard is being developed by the Household Textile Technical Committee under supervision of the Textile and Leather Division Standards Committee and it is in accordance with the procedures of the Bureau.

This Draft Tanzania Standard has been prepared with assistance drawn from:

SANS 1394 -2, Duvets and pillows Part 2: Synthetic fibre filled.

TZS 2303, Textiles – Non-woven bags – Specification

Draft for stakeholders comments only!

1 Scope

This Draft Tanzania Standard specifies the requirements and test methods for non-woven fabrics for the following applications; hygiene, upholstery, apparel and medical.

2 Normative References

For the purpose of this Draft Tanzania Standard the following references shall apply:

TZS 4 Rounding off numerical values.

- a) TZS 22 Textiles - Woven Fabrics Determination of breaking load and extension.
- b) TZS 24 Textiles - Tests for colour fastness – Colour fastness to washing: Test 4.
- c) TZS 40 Textiles - Tests for colour fastness – Colour fastness to light: Daylight.
- d) TZS 138 Textiles - Test for colour fastness to rubbing.
- e) TZS 531 Textiles: Test for colour fastness to dry cleaning.
- f) TZS 2584-1:2019/ISO 9073-1: 1989 Textiles – Test methods for nonwovens – Part 1- Determination for mass per unit area.
- g) TZS 2584-3:2019/ISO 9073 -3: 1989 Textiles – Test methods for nonwovens – Part 3- Determination of tensile strength and elongation.
- h) ISO 6940, Textile fabrics — Burning behaviour — Determination of ease of ignition of vertically oriented specimens.
- i) ISO 6941, Textile fabrics — Burning behaviour — Measurement of flame spread properties of vertically oriented specimens

3 Terms and Definitions

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

3.1 non-woven fabric

a fabric-like material made from staple fibre (short) and long fibres (continuous long), bonded together by chemical, mechanical, heat or solvent treatment.

4 Requirements

4.1.1 The fibres used in the manufacture of non-woven fabrics shall be of the required quality to ensure that the fabric complies with the requirements of this Draft Tanzania Standard.

4.1.2 The non-woven fabric used in the manufacture of indoor furniture shall be free from dressing and filling materials and from substances liable to cause subsequent tendering.

4.1.4 The non – woven fabric used for health and hygiene should be soft, good uniformity, hydrophilic or hydrophobic, breathable, with no scent and with no stimulant to skin.

4.1.5 The burning behaviour of non-woven fabric shall be tested in accordance with 16 CFR Part 1610 and be of at least Class 1. See ISO 6940 and ISO 6941.

4.1.6 The non – woven fabric performance requirements shall comply with Table 1.

Table 1 – Performance requirements for non-woven fabrics of various applications.

S N	Characteristics	Applications				Test Method
		Health and hygiene	Apparel	Upholstery/domestic	Medical	
1	Mass per unit area, (g/m ²), min	9	10	70	10	TZS 2584-1:2019/ISO 9073-1: 1989
2	Tensile strength N, min a) Machine direction b) Cross direction	12 3.5	12 13.5	150 150	12 13.5	TZS 2584-3:2019/ISO 9073 -3: 1989
3	Elongation %, min a) Machine direction b) c) Cross direction	15 30	15 30	25 35 -	15 30	TZS 2584-3:2019/ISO 9073 -3: 1989
4	Colour fastness					
	to rubbing, min a) Dry b) Wet	4 4	4 4	4 4	4 4	TZS 138
	day light, min	4	4	4	4	TZS 40
	to washing, min	4	4	4	4	TZS 24
	water	4	4	4	4	TZS 531
5	Ash content (for UV stabilized fabrics), max percent.	2.2	2.2	2.2	2.2	ISO 3451 – 1: 2008 Method A.

5 Packing, labelling and marking

5.1 Packing

The non-woven fabrics shall be packed in polyethylene bags or bales.

Unless otherwise required, the fabric shall be supplied in individually wrapped rolls and the rolls shall be packed as required.

5.2 Labelling and marking

5.2.1 Rolls and bulk containers shall be labelled and marked in accordance with This Draft Tanzania Standard.

5.2.2 The product shall be marked at one end with the following:

- a) Name of the material;
- b) Manufacturer's name, and or supplier's name, initials or trade mark;
- c) Batch number;
- d) Dimensions of the roll.
- e) End use of the material
(hygiene/medical/upholstery/domestic/apparel)

6.2.3 The product may also be marked with the TBS Standards Mark.

Draft for stakeholders comments only