

**KENYA STANDARD**

**DKS 606:2021**

ICS 59.080

Third Edition

**Bedsheets made from blended polyester/cellulosic fabric or polyester and cellulosic combination fabric- Specification**



**Kenya Bureau of  
Standards**

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# **Bedsheets made from blended polyester/cellulosic fabric or polyester and cellulosic combination Fabric-Specification**

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## **Foreword**

This Kenya Standard was prepared by the Technical Committee on Woven Fabrics under the direction of Textile Industry Standards Committee and it is in accordance with the procedures of the Bureau.

Fabrics manufactured from blended polyester/cellulosic yarns or a combination of polyester warp yarns and cellulosic or blended polyester/cellulosic weft yarns are commonly used and are acceptable locally for making-up bedsheets. These fabrics are manufactured in varying weave constructions and fabric fibre composition and proportions, resulting in varying fabric characteristics.

This standard takes into consideration these variations and specifies only the minimum essential quality characteristics for these fabrics and the make-up requirements for bedsheets made therefrom.

In this third edition of this standard, Dimensional stability and test methods has been revised on Table1 and Test methods in Table 2 has been updated.

This third edition of the standard cancels and replaces KS 606:1993.

In the development of this standard, reference was made to the following document:

BS 5815 : Part 1: 1989, Specification for sheeting sheets and pillowslips.

Acknowledgement is hereby made for the assistance received from this document.  
from these sources.



## **1. SCOPE**

This Kenya Standard specifies the requirements for bedsheets made from blended polyester and cellulosic blended yarns fabric or polyester and cellulosic combination fabric.

## **2. Normative references**

The following referenced documents referred to in the text in such a way that some or all of their content constitutes requirements 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.

## **3. TERMS AND DEFINITIONS**

For the purpose of this standard, the following definitions shall apply:

- 3.1 cellulosic fibre** — Cellulosic fibre shall refer to cotton fibres or viscose fibres or polynosic fibres or any other regenerated fibre based on cellulose.
- 3.2 polyester and cellulosic combination fabric** — A fabric woven from 100 per cent polyester warp yarns and 100 per cent cellulosic or polyester and cellulosic blended weft yarns or vice versa.
- 3.3 polyester and cellulosic blended fabric** — A fabric manufactured from polyester and cellulosic blended staple spun yarns.

## **4. REQUIREMENTS**

### **4.1 General requirements**

- 4.1.1 Fabric Type** — The fabric shall either be blended polyester and cellulosic or a combination of polyester and cellulosic fabric.
- 4.1.2 Properties** — The fabric properties shall be as specified in Table 1.
- 4.1.3 Selvages** — The fabric selvages when visually examined shall be straight and firm.
- 4.1.4 Sewing Thread** — The sewing thread shall either be 100 per cent polyester or polyester/cellulosic blend of ticket number 100 or 120, complying with KS 08-479: Part 2. The thread shall be of the same colour as the bedsheet and in case of coloured bedsheets of the same colour fastness.
- 4.1.5 End Hems** — Bedsheet shall have a minimum of 2 cm end hems. A minimum of 0.5 cm of the raw edges shall be turned in.
- 4.1.6 Joined Bedsheets** — A bedsheet of width more than 155 cm may be joined on one side or both sides. No bedsheet shall have more than two seams within the body.  
  
The seams shall be neatly turned in so that no raw edges are exposed and stitched with a stay seam. The ends of all stitching thread shall be trimmed and loose ends removed.
- 4.1.7 Sewing** — The sewing shall be of even tension throughout and the ends shall be finished securely and neatly. The number of stitches per cm shall be not less than 4.5.

## 5.0 Specific requirements

5.1 Colour Fastness — The colour fastness of the coloured fabrics shall be as specified in Table 2.

5.2 Fabric Fibre Composition and Proportion — The fabric fibre composition and proportion shall be as declared in 6.1, c) subject to a tolerance of  $\pm 5$  per cent. This shall be determined in accordance with **KS 1833-11**

5.3 Fabric Grade — The fabrics used for the manufacture of bed sheets shall be of grades not lower than B in accordance with KS EAS 253-1

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TABLE 1. FABRIC PROPERTIES

PROPERTY		REQUIREMENT	TEST METHOD
Mass per unit area, g/m <sup>2</sup> , min.		110	KS ISO 3801
Breaking force, N, min.	Warp way	600	KS ISO 13934-1
	Weft way	400	
Tear resistance, N, min.	Warp	50	KS ISO 13937-4
	Weft	40	
Resistance to yarn slippage, N, min. (either way)		100 for seam opening of 3 mm	KS 08-893, Part 1
Resistance to pilling		Not lower than grade 4	KS 08-438
Dimensional changes in shrinkage after 1 washing, max.	Warp	- 3 %	KS ISO 5077 KS ISO 6330 KS ISO 3759
	weft	-3%	
Dimensional changes in shrinkage after dry cleaning ,max	warp	-1%	KS ISO 3175-1
	Weft	-1%	
Filling, max.		2 %	KS 264
pH		5 ± 1	KS ISO 3071

TABLE 2. COLOUR FASTNESS REQUIREMENTS

Characteristic		NUMERICAL RATING, min.		TEST METHOD
		Colour change	Staining	
Light		6	—	KS ISO 101-B01 KS ISO 101-B02
Rubbing	Dry	—	4	KS ISO 101-X12
	Wet	—	4	
Perspiration,	Acid	5	5	KS ISO 105 E04
	Alkali	5	5	
Washing		5	5	KS ISO 105 C10
Peroxide washing		4	4	KS ISO 105 N02



**5.4 Finished Dimensions** — The minimum dimensions of the finished bedsheet shall be as in Table 3.

The dimensions shall be determined in accordance with KS ISO 22198

TABLE 3. FINISHED BEDSHEET DIMENSIONS

WIDTH, cm	LENGTH, cm	WIDTH, cm	LENGTH, cm
230	275	138	230
230	255	138	205
185	230	125	185
155	230		

## 6 PACKAGING

**6.1 Pieces** — Each piece or pair of bedsheet(s) shall be neatly and securely wrapped in polythene papers to prevent contamination or damage.

**6.2 Bulk** — The neatly and securely wrapped pieces shall be packed in cartons or boxes.

## 7. MARKING

**7.1 Pieces** — Each piece or pair of bedsheet(s) shall have a label securely attached bearing the following information:

- (a) Manufacturer's name or registered trade mark;
- (b) Type of fabric in accordance with 4.1.1;
- (c) Fabric fibre composition and proportion;
- (d) Size of the bedsheet in cm;
- (e) Care instructions in accordance with KS ISO 3758
- (f) country of manufacture

**7.2 Bulk Containers** — Each bulk container shall have a label securely attached, bearing the following information:

- (a) Manufacturer's name or registered trade mark;
- (b) Type of fabric;
- (c) Size of the bedsheets in cm;
- (d) Quantity of pieces;
- (e) Country of manufacture

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