

**Sweaters — Specification**

## DKS 629: 2019

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**Public review Draft**

## Sweaters — Specification

### **KENYA BUREAU OF STANDARDS (KEBS)**

**Head Office:** P.O. Box 54904, Nairobi-00200, Tel.: (+254 020) 605490, 602350, Fax: (+254 020) 604031  
E-mail: [info@kebs.org](mailto:info@kebs.org), Web: <http://www.kebs.org>

#### **Coast Region**

P.O. Box 99376, Mombasa-80100  
Tel.: (+254 041) 229563, 2361140  
Fax: (+254 041) 229448

#### **Lake Region**

P.O. Box 2949, Kisumu-40100  
Tel.: (+254 057) 23549, 22396  
Fax: (+254 057) 21814

#### **Rift Valley Region**

P.O. Box 2138, Nakuru-20100  
Tel.: (+254 051) 210553, 210555

### Foreword

This Kenya Standard has been prepared by the Technical Committee on Knitted Fabrics under the guidance of the Standards Projects Committee, and it is in accordance with the procedures of the Kenya Bureau of Standards.

The following are the changes incorporated in this fourth edition of this standard:

- i) Dimensional stability has been updated
- ii) The title of Table 2 has been updated
- iii) Table 3 on dimensions for boy's and girl's school sweater have been added
- iv) Marking requirements have been reviewed
- v) The scope has been updated

During the preparation of this standard, reference was made to the following documents:

IS 4582:1968, Specification for ladies cardigans.

ISW 3617:1966, Specification for gents worsted pullover, one-piece (interlock-knitted).

CAN-49-52-M78, Sweaters and cardigans girls regular and — Dimensions.

Acknowledgement is hereby made for the assistance derived from these sources.



## Sweaters — Specification

### 1 Scope

This Kenya Standard specifies the requirements for sweaters. This standard applies to outer knitwear such as pullovers and slip-overs(sleeveless)

### 2 Normative references

The following referenced documents are indispensable in the application of this document. For dated references, only the edition applies. For undated references, the latest edition of the referenced document including any amendments applies.

KS 410, *Specification for size designation of clothes and body measurement procedure*

KS 08-411, *Specification for size designation for women's and girls' clothing*

KS 412, *Specification for size designation for men's and boys' ready-to-wear clothing*

KS 08-415, *Glossary of terms relating to hosiery*

KS 496, *Acrylic yarn — Specification*

KS 08-665, *Specification for textile labels*

KS 08-888, *Method for determination of colour fastness of textile materials to domestic and commercial laundering*

KS ISO 105-B02 *Textiles — Tests for colour fastness — Part B02: Colour fastness to artificial light: Xenon arc fading lamp test*

KS ISO 105-D01, *Textiles — Tests for colour fastness Part D01: Colour fastness to drying/cleaning using perchloroethylene solvent*

KS ISO 105-E04, *Textiles — Tests for colour fastness — Part E04: Colour fastness to perspiration*

KS ISO 105-X11, *Textiles — Tests for colour fastness — Part X11: Colour fastness to hot pressing*

KS ISO 105-X12, *Textiles — Tests for colour fastness — Part X12: Colour fastness to rubbing*

KS ISO 3758, *Textiles — Care labelling code using symbols*

KS ISO 3759, *Textiles — Preparation, marking and measuring of fabric specimens and garments in tests for determination of dimensional change*

KS ISO 6330, *Textile — Domestic washing and drying procedures for textile testing*

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KS ISO/TR 11827, *Textiles — Composition testing — Identification of fibres*

KS ISO 1833-12, *Textiles — Quantitative chemical analysis — Part 12: Mixtures of acrylic, certain modacrylics, certain chlorofibres, certain elastanes and certain other fibres (method using dimethylformamide)*.

ISO 12945-2, *Textiles — Determination of fabric propensity to surface fuzzing and to pilling — Part 2: Modified Martindale method*

## 3 Definitions

For the purposes of this standard, the definitions given in KS 410, KS 08-411, KS 412 and KS 08-415 shall apply.

## 4 Manufacture

### 4.1 Yarn

The yarn used to manufacture sweaters shall comply with the requirements of KS 495.

### 4.2 Seams and stitches

4.2.1 All the joinings shall be stitched with 3-thread overlock stitches, lap seaming or by linking.

4.2.2 The number of stitches shall not be less than 3 per centimetre at any place.

4.2.3 The shoulder joinings shall be suitably reinforced.

4.2.4 All the end joinings at the body and sleeves shall be securely stitched and/or reinforced such that they shall not give way when stretched one and half times.

#### 4.2.5 Dimensional stability

The total dimensional changes shall not exceed  $\pm 5\%$  when tested in accordance with KS ISO 3759 and KS ISO 6330 procedure 4N.

## 5 Freedom from defects

Finished sweaters, when visually examined, shall be free from defects such as mends, ladders, dropped stitches, missed stitches, misplaced buttons, malformed button holes, cuts, chemical damages and uneven dyeing and shall be free from grease.

## 6 Dimensions

6.1 All dimensions of sweaters shall be measured to the nearest 0.5 cm. The dimensions shall be taken with the pullovers laid down on a horizontal surface after removing by hand all the creases and wrinkles without distorting the pullovers.

6.2 The size of the sweaters shall be the numerical value of the chest girth in centimetres, and in compliance with KS 410, KS 08-411 and KS 412, as illustrated in Tables 1, 2 and 3 in this standard.

6.3 The size of the sweater, in compliance with 6.2, shall be as declared with a tolerance of  $\pm 1.5$  cm.



Table 1 — Dimensions of ladies' sweaters

Age or size code	Body measurements	Garments dimensions (Dimensions are in centimetres)					
		Critical dimensions ± 1.5 cm					
	Bust girth	Width across bust (chest)	Length of body	Full sleeve length		Width of armhole	
		<i>A</i>	<i>B</i>	<i>C</i>	<i>C1</i>	<i>D</i>	<i>D1</i>
Age							
6	58	32	40	44	57	11	23
8	64	35	45	46	59	15	25
10	70	38	50	48	61	17	27
12	76	41	54	50	63	19	29
Size code							
8	80	43	57	52	65	20	30
10	84	45	60	55	67	21	31
12	88	47	63	55	68	23	33
14	92	49	65	56	69	24	34
16	96	51	66	58	71	24	34
18	100	53	68	58	71	24	34
20	104	55	68	60	73	26	36
22	108	57	70	60	73	26	36
24	112	59	70	62	75	28	38
26	116	61	72	62	75	28	38
28	120	63	72	62	75	28	38
NOTE 1 Measurements in Columns <i>C</i> , <i>C1</i> , <i>D</i> , and <i>D1</i> are guidelines.							
NOTE 2 Column <i>C1</i> and <i>D1</i> are measurements for fully fashioned cardigans.							

**Table 2 — Dimensions of men's and boy's sweaters**  
(Dimensions are in centimetres)

Body measurements	Critical dimensions	Garment dimensions		
Chest girth	Width across chest (tolerance $\pm 1.5$ ) <i>A</i>	Length of body <i>B</i>	Full sleeve length <i>C</i>	Width of armhole <i>D</i>
62	34	40	44	14
66	36	45	46	16
70	38	50	48	18
74	40	54	50	20
78	42	58	52	21
82	44	61	55	23
86	46	65	57	25
90	48	65	57	25
94	50	68	59	27
98	52	68	59	27
102	54	70	61	30
106	56	72	61	30
110	58	72	64	32
114	60	74	64	32
118	62	74	66	34

NOTE 1 Garment dimensions are not applicable to full fashioned sweaters.

NOTE 2 Measurements in Columns *B*, *C* and *D* are guidelines.

Table 3: Dimensions for boy's and girl's school sweaters

			Critical dimensions	Garment dimensions		
Age	Size code	Body measurements	Width across chest (tolerance $\pm 1.5$ ) <i>A</i>	Length of body <i>B</i>	Full sleeve length <i>C</i>	Width of armhole <i>D</i>
4	22	58	32	35	42	12
6	24	62	34	40	44	14
8	26	66	36	45	46	16
10	28	70	38	50	48	18
12	30	74	40	54	50	20
14	32	78	42	58	52	21
16	34	82	44	61	55	23
	36	86	46	63	57	25
	38	90	48	66	57	25
	40	94	50	68	59	27
	42	98	52	70	59	27

NOTE 1 Measurements in Columns *B*, *C* and *D* are guidelines.

## 7 Other technical requirements

Sweaters shall comply with the technical requirements given in Table 3.

Table 4 — Other technical requirements for sweaters

SL No.	Characteristic	Requirement	Test method
i)	Dimensional change	$\pm 5\%$	KS ISO 3759 and KS ISO 6330 (Procedure 4N)
ii)	Fibre composition and proportion	As declared $\pm 5\%$	KS ISO 1833-12, KS ISO 11827
iii)	Pilling resistance (min.)	3 - 4 (at 500 rubs)	ISO 12945-2

## 8 Colour fastness requirements

The colour fastness requirements of sweaters shall be as given in Table 5.

Table 5— Colour fastness requirements for sweaters

SL No.	Agency		Rating (min.)		Test method
			Colour change	Staining	
i)	Light		5		KS ISO 105-B02
ii)	Domestic and commercial laundering		4	4	KS ISO 888: Detergent <i>b)</i>
iii)	Perspiration	acid	4	4	KS ISO 105-E04
		alkali	4	4	
iv)	Rubbing	dry		4	KS ISO 105-X12
		wet		3	
v)	Drycleaning		4	4	KS ISO 105-L01
vi)	Hot pressing		4	4	KS ISO 105-X11

## 9 Marking and packing

**9.1** Each sweater shall have a permanent label complying with KS 08-035 and with the following information:

- i) size designation which is the critical dimensions in compliance with Table 1,2 and 3
- ii) size code in case of school sweaters
- iii) fiber composition and proportion in compliance with Table 4;
- iv) care instructions in compliance with KS ISO 3158;
- v) manufacturer's name or registered trade mark;
- vi) country of manufacture.

**9.2** Each sweater shall be properly packed to keep it free from any soiling or damage.