

Woven interlinings and linings for apparel purposes—Specification

Part 2:

Woven linings for Apparel Purposes

Public review draft

TECHNICAL COMMITTEE REPRESENTATION

The following organizations were represented on the Technical Committee:

Moi University, Eldoret- Department of Textile Engineering
Kenya Industrial Research and Development Institute (KIRDI)
Kenya Association of Manufacturers (KAM)
Handloom Weavers- Yarn craft weavers
Handloom Weavers- Abimbola creations
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KENYA BUREAU OF STANDARDS (KEBS)

Head Office: P.O. Box 54974, Nairobi-00200, Tel.: (+254 020) 605490, 602350, Fax: (+254 020) 604031
E-Mail: info@kebs.org, Web: <http://www.kebs.org>

Coast Region

P.O. Box 99376, Mombasa-80100
Tel.: (+254 041) 229563, 230939/40
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) 210551, 210555

P R E F A C E

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

lining fabrics are used in waistbands, crutch, waistcoat back, overcoat body and in pocketing of trousers, jackets, ladies wear etc. In order to safeguard the interests of consumers, the lining fabrics used in garments must meet the requirements of this standard.

This document supersedes KS 214 Part 3

In the preparation of this standard, reference was made to:

BS 4560: 1980 Specification for linings in uniform clothing.

Acknowledgement is made for the assistance received from this source.

Woven interlinings and linings for apparel purposes—Specification

Part 2:

Woven linings for apparel purposes

1 Scope

This Kenya Standard specifies constructional details and other requirements for woven linings made from any textile fibre or mixtures of fibres which are suitable for apparel purposes.

2 Normative references

KS ISO 7771: Dimensional changes of fabrics by cold water immersion.

KS ISO 3758: Care labelling code using symbols

KS ISO 13934-1 Determination of maximum force and elongation at maximum force using the strip method

KS ISO 3801: Determination of mass per unit length and mass per unit area

KS ISO 7211-2 Determination of number of threads per unit length

KS ISO 105-D01: Methods for determination of colour fastness of textile materials to dry cleaning.

KS ISO 105-C10: Methods for determination of colour fastness of textile materials to washing.

KS ISO 105-E04: Methods for determination of colour fastness of textile materials to perspiration.

KS 08-212: Definitions of general terms, basic weaves and plans for drafting, denting and lifting.

KS ISO 105-D02: Methods for determination of colour fastness of textile material to rubbing (abrasion). Dry and wet method.

KS ISO 22198: Determination of width and length of textile fabrics

3 Definitions

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

3.1 Lining—A fabric which is inserted into garments to provide a neat inside finish and conceal interfacing, padding, the raw edges of seams, and other construction details

3.2 Recommended end uses for the specified fabrics are given in Appendix A.

4 Requirements

4.1 Defects — When visually examined, the cloth shall be reasonably free from major weaving defects like slubs, torn selvages, floats, holes, mis-picks and uneven dyeing.

4.2 Construction — The cloth shall be uniformly constructed and shall conform to the requirements of Table 1.

Fabric properties –The minimum requirements for linings shall be as specified in Table 1.

4.3 Colour Fastness — The colour fastness shall comply with the requirements of Table 2.

Mass per unit area-the mass per unit area of the

3.4 Width — The width of each piece under test shall not vary at any place by more than 1 per cent below or 2 per cent above the declared or marked width. This shall be determined in accordance with KS ISO 22198.

3.5 Length — The length of each piece shall not be less than 1% of the value declared. This shall be determined in accordance with KS ISO 22198

3.6 Dimensional Change — The maximum dimensional change (relaxation or shrinkage) shall be \pm 2 per cent .

This shall be determined in accordance with KS ISO 7771

3.7 Restricted colorants

The lining fabric when tested by KS ISO 24362 Part 1 and 3 shall not contain any of the listed restricted colorants and any of the carcinogenic dyestuffs listed in KSISO 16373-2 and 3

4. Inspection

4.1 The cloth shall be inspected for major and minor defects (see Appendix B) and shall be considered as satisfactory if the following conditions are met.

- Major defects - Nil
- Minor defects - 5 per 100 m².

4.2 All the defects shall be flagged with appropriate coloured threads on one side of the selvages.

Table 1-Requirements of woven linings

CHARACTERISTIC		LININGS	
		MINIMUM REQUIREMENTS	TEST METHOD
Mass in g/m ²		65	KS ISO 3801
Breaking strength,N	warp	310	KS ISO 13934-1
	weft	282	

Table 2- Colour fastness requirements of lining

AGENCY	NUMERICAL RATING		TEST METHOD
	Change in Colour	Staining	
(a) Drycleaning	4	4	KS ISO 105-D01
(b) Perspiration (acid and alkali)	4	4	KS ISO 105-E04

(c) Rubbing			
(i) Dry	4	4	KS ISO 105-D02
(ii) Wet	4	4	
(d) Washing	4	4	KS ISO 105-C10
Bleaching(Hypochlorite)	4	4	KS ISO 105-N01
Light	4	-	KS ISO 105-B02

5. Marking and labelling

Fabrics shall be supplied with the following information on the piece:

- a. Manufacturer's name or trade name;
- b. Length of the roll packed;
- c. Country of origin
- d. Fiber composition
- e. Care instructions according to KS ISO 3706

7. PACKING

The cloth shall be packed in continuous length and in accordance with KS 2659

8. PACKAGING

The rolls (see Clause 7) shall be wrapped with low density polyethylene film. A suitable number of rolls shall be arranged in bundles and secured to form a pack. A suitable number of such packs shall then be wrapped in a suitable waterproof packing material.

9. SAMPLING

A sample shall be taken of sufficient size to provide the required test specimens from each batch or from at least every 1000m, whichever is the more frequent.

10. TEST SPECIMEN

The test specimens shall be taken at points as widely dispersed as possible throughout the available length and no two specimens used for determination of a particular property shall contain the same warp and weft yarns.

APPENDIX A

A1. RECOMMENDED END USES

It is recommended that the fabrics specified in this standard be used for linings in men’s and boy’s apparel and uniform clothing in accordance with Table 3.

TABLE 3. RECOMMENDED END USES

ITEM	USE	RECOMMENDED FABRIC (REFERENCE NUMBER)
Linings	Body and sleeves Crutch Waistbands	L1, L2, L4, L5, L6, L9 L4, L5, L6 L4, L5, L6, L10
Detachable Liners		L1, L2, L4
Linings specifically for men’s apparel/uniforms	Body and sleeves Waistcoat back Overcoat body Raincoat*	L5, L6, L9 L5, L6, L7 L7 L5
Linings specifically for women’s apparel/uniforms	Skirt, dresses Body and sleeves Raincoat*	L5, L6 L5, L6, L9 L5
Pocketing	Jackets and waistcoats Trousers	L4, L5, L6, L8 L5, L4, L5, L6, L8, L10

*Use water repellent treated fabrics only.

APPENDIX B

(CLAUSE 4.1)

CATEGORIZATION OF DEFECTS (SEE KS 08-207: 1978)*

B1. MAJOR DEFECTS

- B1.1** One or more ends missing in the body of the material throughout its length, or more than one end missing at a place and running over 60 cm, prominently noticeable double ends running throughout.
- B1.2** Unpressed snarls noticeable over a length exceeding 5 per cent of the length of the piece.
- B1.3** Smear definitely rupturing the texture of the fabric.
- B1.4** Hole, cut or tear.
- B1.5** Reed marks prominently over a length exceeding 5 per cent of the length of the piece.
- B1.6** Noticeable warp or weft float in the body of the fabric.
- B1.7** Gout due to foreign matter usually lint or waste woven into the fabric.
- B1.8** Significant shading or listing in fabrics having gradual change in tone or depth of shade (excluding selvedge or border running parallel to the selvedge).

* Glossary of textile terms pertaining to defects in fabrics.

B1.9 Colour flacks in dyed linings.

B1.10 Blurred or dark patch.

B1.11 Patch or streaky or uneven dyeing.

B1.12 Dye bar.

B2. MINOR DEFECTS

B2.1 Weft crack of more than one missing pick across the width of fabric.

B2.2 Weft bar due to the difference in raw material, count, twist, colour, shade or pick spacing of adjacent groups of weft yarns.

B2.3 More than two adjacent ends running parallel or broken or missing and extending beyond 10 cm.

B2.4 Noticeable oil or other stain in the fabric.

B2.5 Oily weft in the fabric not more than 2 cm spread along the width.

B2.6 Prominently noticeable slub.

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