

KENYA STANDARD

Specification for baby shawls

PUBLIC REVIEW DRAFT



KENYA BUREAU OF STANDARDS

KENYA STANDARD

Specification for baby shawls (First Edition)

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>

Cost Region

P.O. Box 99376, Mombasa-80100
Tel.: (+254 041) 2229563, 2230938/40
Fax: (+254 041) 229448
E-mail: kebs_msa@swiftmombasa.com

Region

Box 2949, Kisumu-40100
+254 057) 23549, 22396
+254 057) 21814

Rift Region

Box 2138, Nakuru-20100
+254 051) 2210553, 2210555
+254 051) 2210076

TECHNICAL COMMITTEE REPRESENTATION

The following organizations were represented on the Technical Committee

- Ministry of Roads-Materials Department
- Alpha Knits
- Spin Knit
- Rupa Mills
- Bubanks
- Kenya Industrial Research and Development Institute
- Thika Cloth Mills
- Spinners and Spinners
- Manchester Outfitters
- TSS Weaving and Spinning
- Sunflag Textile and Knit Wear Mills
- Bedi Investments
- Tarpo Industries
- Specialised Towels
- Kenya Bureau of Standards - Secretariat

REVISION OF KENYA STANDARDS

In order to keep abreast of progress in industry, Kenya Standards shall be regularly reviewed. Suggestions for improvements to published standards, addressed to the Managing Director, Kenya Bureau of Standards, are welcome.

© Kenya Bureau of Standards, 2010

Copyright. Users are reminded that by virtue of section 6 of the Copyright Act, Cap. 130 of the Laws of Kenya, copyright subsists in all Kenya Standards and except as provided under section 7 of this Act, no Kenya Standard produced by Kenya Bureau of Standards may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from the Managing Director.

Permission may be conditional on an appropriate royalty payment.

Care should be taken to ensure that material used is from the current edition of the standard and that it is updated whenever the standard is amended or revised. The number and date of the standard should therefore be clearly identified.

The use of material in print or in electronic form to be used commercially with or without payment or in commercial contracts is subject to payment of a royalty.

Foreword

This Kenya standard has been prepared by the Technical Committee on Woven Fabrics under the guidance of the Standards Project Committee and in accordance with the procedures of the Bureau.

Baby shawls are widely used by mothers on their infants to provide warmth and as a wrapper for carrying babies. The Kenya standard specifies minimum requirements on breaking strength, tear resistance, mass of fabric among others. The standard will ensure that baby shawls manufactured or imported in the country meet the minimum requirements

Specification for baby shawls (First Edition)

1. Scope

The draft Kenya standard specifies requirements for baby shawls intended for covering and wrapping infants

2. Application

This standard applies to woven baby shawls of all sizes and shades made out of acrylic fibres and blends.

3 References

The following are publications referred to in this Ken standard:

- 3.1 *KS 210 Glossary of Textile terms relating to fabrics made from natural fibres*
- 3.2 *KS 209 Glossary of terms relating to man-made fibre and fabric industry*
- 3.3 *KS 834 Test methods for determination of dimensions of woven fabrics*
- 3.4 *KS ISO 1833 Textiles-Quantitative chemical analysis*
Part 12 Mixtures of acrylic, certain modacrylics, certain chlorofibres, certain elastanes and certain other fibres (method using dimethylformamide)
- 3.5 *KS 697 Code of practice for grading of textiles*
- 3.6 *KS 747 Preservative treatment for textiles*
- 3.7 *KS 68 Textile care labelling code*
- 3.8 *KS 212 Definitions of general terms, basic weaves, and plans for drafting denting and lifting*
- 3.9 *KS 120 Methods for determination of mass per unit length and mass per unit area of woven or knitted fabrics*
- 3.10 *KS 13934-1 Methods for determination of breaking load and elongation (strip method) of woven fabrics*
- 3.11 *KS ISO 13937-4 Tear properties of fabrics. Part 4: Determination of force of tongue shaped specimens (Double tear method).*
- 3.12 *KS 1394 Textile fabrics-Burning behaviour*
Part 1 Determination of ease of ignition of vertically oriented specimens.
Part 2 Measurement of flame spread properties of vertically oriented specimens
- 3.13 *KS 359 Method for determination of colour fastness of textile materials to artificial light (Xenon arc)*
- 3.14 *KS Method for determination of colour fastness of textile materials to washing*

- 3.15 *KS 124 Method for determination of colour fastness of tile materials to perspiration*
- 3.16 *KS 130 Method for determination of colour fastness of textile materials to hot pressing*
- 3.17 *KS 122 Method for determination of colour fastness of tile materials to dry-cleaning*
- 3.18 *KS 260 Method for determination of colour fastness of tile materials to rubbing)*
- 3.19 *KS 360 Method for determination of pH value of aqueous extracts of textile materials*
- 3.20 *KSISO 12945 Textiles-Determination of fabric propensity to surface fuzzing and to pilling*
- 3.21 *KS 665 Specification for textile labels*
- 3.22 *KS 496 Specifications for acrylic yarns*
- 3.23 *KS ISO 12947-2 Determination of abrasion resistance of fabrics by Martindale method Part 2:Determination of specimen breakdown*

4. Terms and Definitions

For the purpose of this draft standard the terms and definitions given in KS-210 and KS -209 and those given below shall apply.

4.1 Baby Shawl

a heavy fabric woven from a fancy weave and acrylic yarns and blends having a fancy weave intended for retaining warmth.

5. Requirements

5.1 Materials

- 5.1.1 The baby shawl shall be made from 100% acrylic fibres or a blend of acrylic and other fibres where acrylic component is at least 85%. The fibre composition of the fabrics shall be tested in accordance with KS ISO 1833 Part 12

5.2 Manufacture

- 5.2.1 **Yarns** The yarns used shall comply with the requirements of KS 496

- 5.2.2 **Construction** The baby shawl fabric shall be of plain weave, honey comb or its variations (fancy weave).and the performance requirements shall be as given in tables 1

5.2.3 Fridges

Baby shawls shall have fridges of a minimum of 5 centimetres on all sides. However the warp may be finished with an overlock stitch

5.3 Finished Fabrics

- 5.3.1 **Width** The width of each piece or roll shall not vary at any place by more than one per cent below or two per cent above the declared or marked width.

This width shall be determined in accordance with KS-834. part 1.

5.3.2 Length The length of each piece or roll shall not be less than the declared or marked value. This shall be determined in accordance with KS-834.part 2.

5.3.3 Colour Fastness The colour fastness of baby shawls shall comply with requirements given in Table 2.

5.3.4 Shade The shade of the Fabric shall be uniform throughout when visually examined in ordinary daylight and shall match the standard sample.

7
6 Grading

Each fabric piece shall be graded in accordance with KS-697.

7. Marking

7.1 Piece The following information shall appear in legible and indelible marking on a Label complying with the requirements of KS08-665 and securely attached to each piece of baby shawl:

- (a) Manufacturer's name or registered trade-mark;
- (b) Grade of the material (see clause 6);
- (c) Fibre composition of the fabric;
- (d) Width and length of the fabric;
- (f) Care instructions in accordance with KS-68: 1992;
- (h) Shade/design/batch number and
- (i) Made in Kenya or country of origin.

7.2 Bulk containers - the following information shall appear in legible and indelible Marking on the outside of each bulk container:

- (a) The information specified under 7.1 above
- (b) Quantity of pieces

8. Packaging

Each piece of baby shawl shall be packed with a materials that ensures protection from moisture, dust and gas fumes.

A number of baby shawls shall be packed in bales or suitable containers

Table 1: Performance requirements for baby shawls

SL NO	CHARACTERISTIC		REQUIREMENT		METHOD OF TEST
			Light variety	Heavy variety	
1	Breaking Strength, Newtons, minimum	Warp	400	500	KSISO 13934-1
		Weft	400	500	
2	Tear Resistance, Newtons, Minimum	Warp	100	150	KSISO 13937-2
		Weft	100	150	
3	Mass in g/m ² , Minimum		150	200	KS 120
4	Abrasion resistance, cycles, Minimum		14500	14500	KSISO 12947-2
5	Pilling resistance, grade, minimum		3	3	KSISO 12945-2
6	Dimensional change, after 5 washings, percent, minimum, both directions		12	12	KS 363
7	pH		6-8	6-8	KS 360

Table 2 — Colour fastness requirements for baby shawls

Agency	Numerical rating (Min)		Method of test
	Change in colour	Staining	
(i) Light	5	—	KS ISO 105 B02
(iii) Washing	4	4	KS 123: Method 1 and 3
(iv) Perspiration* (acid and alkali)	4	4	KS 124
(v) Hot pressing (180° C for 30s)	4	4	KS 130
(vi) Dry-cleaning	4	4	KS 122
(vii) Rubbing			KS 266: Part 1
a) dry	4	4	
b) wet	3-4	3-4	