

DRAFT UGANDA STANDARD

Second Edition
2019-mm-dd

Bed blankets — Part 2: Blankets made from wool and wool/polyamide — Specification



Reference number
DUS 914-2: 2019

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Requests for permission to reproduce this document should be addressed to

The Executive Director
Uganda National Bureau of Standards
P.O. Box 6329
Kampala
Uganda
Tel: + 256 417 333 250
Fax: + 256 414 286 123
E-mail: unbs@infocom.co.ug
Web: www.unbs.go.ug

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Requirements	2
4.1 Composition	2
4.1.1 Virgin wool blankets	2
4.1.2 Grey wool blankets	2
4.1.3 Wool/polyamide blankets	2
4.2 Manufacture	2
4.3 Stitching	3
4.4 Dimensions	3
4.5 Colour	4
4.5.1 Range of colours	4
4.5.2 Colour fastness	4
4.6 Flammability	5
5 Sampling and test	5
5.1 Selection and size of samples	5
5.1.1 Inspection lot and test sample	5
5.1.2 Test specimens	5
5.2 Test procedures	5
5.2.1 Determination of fibre content	5
5.2.2 Colour fastness	5
6 Marking/Labelling	5
6.1 Marking	5
6.2 Labelling	6
Bibliography	7

Foreword

Uganda National Bureau of Standards (UNBS) is a parastatal under the Ministry of Tourism, Trade and Industry established under Cap 327, of the Laws of Uganda. UNBS is mandated to co-ordinate the elaboration of standards and is

- (a) a member of International Organisation for Standardisation (ISO) and
- (b) a contact point for the WHO/FAO Codex Alimentarius Commission on Food Standards, and
- (c) the National Enquiry Point on TBT/SPS Agreements of the World Trade Organisation (WTO).

The work of preparing Uganda Standards is carried out through Technical Committees. A Technical Committee is established to deliberate on standards in a given field or area and consists of representatives of consumers, traders, academicians, manufacturers, government and other stakeholders.

Draft Uganda Standards adopted by the Technical Committee are widely circulated to stakeholders and the general public for comments. The committee reviews the comments before recommending the draft standards for approval and declaration as Uganda Standards by the National Standards Council.

The committee responsible for this document is Technical Committee UNBS/TC 7, *Textiles, Leather, Paper and related products*, Subcommittee SC 1, *Textiles and related products*.

This second edition cancels and replaces the first edition (US 914-2:2011), which has been technically revised

Bed blankets — Part 2: Blankets made from wool and wool/polyamide — Specification

1 Scope

This part of DUS 914 specifies requirements for woven wool and woven wool/polyamide blankets intended for institutional and household use.

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.

ISO 5081, *Textiles — Woven fabrics — Determination of breaking strength and elongation (Strip method)*

ISO 12952-4, *Textiles — Burning behaviour of bedding items — Part 4: Specific test methods for the ignitability by a small open flame*

US EAS 247, *Method for determination of colour fastness of textiles to peroxide washing (sodium perborate)*

US EAS 248, *Methods for determination of threads per centimetre in woven fabrics*

US ISO 105-B01, *Textiles — Tests for colour fastness — Part B01: Colour fastness to light: Daylight*

US ISO 105-C10, *Textiles — Tests for colour fastness — Part C10: Colour fastness to washing with soap or soda*

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

US ISO 1833, *Textiles — Binary fibre mixtures — Quantitative chemical analysis*

US ISO 2060, *Textiles — Yarn from packages — Determination of linear density (mass per unit length) by the skein method*

US ISO 3801, *Textiles — Woven fabrics — Determination of mass per unit length and mass per unit area*

US ISO 5077, *Textiles — Determination of dimensional change in washing and drying*

US ISO 22198, *Textiles — Fabrics — Determination of width and length*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

lot

total number of blankets included in any part delivery of the bulk

3.2

bulk

total number of blankets included in the contract of supply

4 Requirements

4.1 Composition

4.1.1 Virgin wool blankets

Virgin wool blankets shall be composed entirely of 100% virgin wool. The blankets shall be designated as follows:

- a) blankets unraised, with shrink-resistant and flame-retardant finishes;
- b) blankets raised, without a shrink-resistant finish; and
- c) blankets raised, with a shrink-resistant finish.

4.1.2 Grey wool blankets

Grey wool blankets shall contain a minimum of 95 % wool.

4.1.3 Wool/polyamide blankets

Wool/polyamide blankets shall have warp and weft yarns composed of fibre blends containing a minimum of 70 % new wool, the remainder being 6.7 dtex, 60 mm staple-fibre polyamide

4.2 Manufacture

The blankets shall be woven in a plain weave. The mass per unit area, number of warp and weft threads per unit length, breaking strength and dimensional change on washing shall be as given in Table 1

Table 1 — Requirements for blankets made from wool and wool/polyamide

Property	Finish	Virgin wool blankets	Grey wool	Wool/polyamide	Test method
Mass per unit area, g/m ² (min.)	-	475	475	380	US ISO 3801
Number of threads per cm (min.)					
Warp	-	7	7	7	US EAS 248
Weft	-	8	8	8	
Breaking strength, N (min.)					ISO 5081
Warp	-	230	230	270	
Weft	-	170	170	230	
Resistance to spread of flame (min)		Class – B	Class – B	Class – B	ISO 12952-4
	Non-shrink resistant	± 10 % after 5 wash/dry cycles	± 10 % after 5 wash/dry cycles	± 5 % after 3 wash/dry cycles	US ISO 5077
Dimensional change on washing (max. % in either direction)	Shrink resistant	± 5 % after 3 wash/dry cycles	-	-	
NOTE 1: Yarns should be loose and evenly spun, the weave should be uniform with firm and straight selvages and raising should be even.					
NOTE 2: No requirements for treatment against moths are specified but interested parties may agree as to whether the blankets should be treated and if so on the type of such treatment.					

4.3 Stitching

With the exception of cot blankets, blankets shall be either turned 15 mm and stitched at both ends only or turned 15 mm and stitched all round.

Cot blankets shall be turned 15 mm and stitched all round.

NOTE Stitching is intended to prevent fraying.

4.4 Dimensions

The dimensions of the blankets shall be as given in Table 2, when determined according to US ISO 22198

Table 2 — Requirements for dimensions

Width, cm ± 3	Length, cm ± 3
75	100
150	200
160	210
180	240
230	250

Note 1 The test method for width is given in US ISO 22198 except that the measurements are taken to within ± 1.0 cm.

Note 2 The test method for length is given in US ISO 22198 except that the measurements are taken to within ± 1.0 cm.

Note 3 It is recommended that grey wool blankets are 160 cm width and 210 cm length.

4.5 Colour

4.5.1 Range of colours

4.5.1.1 With the exception of grey wool blankets, blankets shall be either natural wool coloured or dyed.

NOTE Interested parties may agree upon the colour.

4.5.1.2 Grey wool blankets shall be grey or grey brown only.

4.5.2 Colour fastness

The colour fastness of dyed blankets including the stitching thread shall be as given in Table 3

Table 3 — Requirements for colour fastness

Agency	Virgin wool blankets (minimum rating)	Wool/polyamide (minimum rating)	Test method
Light (min)	4	4	US ISO 105-B01
Washing (min)			
Change in colour	4	4	US ISO 105-C10
staining	4	4	
Peroxide bleaching (min)			
change in colour	4	-	US EAS 247
staining	4	-	
Rubbing (min)			
wet staining	-	4	US ISO 105-X12
dry staining	-	5	

NOTE	Colour fastness is not a requirement for grey wool blankets
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4.6 Flammability

Where flammability performance is specified, blankets shall satisfy the requirements for flame resistance. Flammability shall be evaluated for both width and length, before and after 10 launderings on a minimum of three samples.

5 Sampling and test

5.1 Selection and size of samples

5.1.1 Inspection lot and test sample

A scheme equivalent to at least 1 in every 30 blankets shall be the minimum.

NOTE: Interested parties may agree on more frequent testing.

5.1.2 Test specimens

Test specimens shall be taken at points as widely dispersed as possible throughout the available test samples, and no two specimens used for the determination of a particular property shall contain the same warp or weft threads.

In the case of multi-coloured samples, all colours shall be represented by the specimens selected for colour fastness testing in accordance with Table 3.

5.2 Test procedures

5.2.1 Determination of fibre content

One specimen from each blanket in the test sample shall be tested in accordance with the appropriate method given in US ISO 1833 and US ISO 2060

5.2.2 Colour fastness

One specimen from each blanket in the test sample shall be tested by the methods given in Table 3.

6 Marking/Labelling

6.1 Marking

The following information shall appear in legible and indelible marking on each lot marked in English. Other additional language e.g. Kiswahili, may be agreed upon as the contract or order may direct.

- a) name of contents;
- b) quantity;
- c) name and address of the manufacturer;
- d) size;

- e) color;
- f) lot number or batch number;
- g) care label; and
- h) Country of manufacture.

6.2 Labelling

Each blanket shall have a permanent label securely attached at one end. The label shall be commercial type and shall have the name of the manufacturer or trademark. The marking shall be well defined, clearly legible and show good fastness to laundering. The blanket shall also be labeled for composition or fiber content and where relevant, the designations (see 4.1)

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Bibliography

US 914-2:2011, *Bed blankets — Part 2: Blankets made from wool and wool/polyamide — Specification* (First Edition).

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