

# DRAFT UGANDA STANDARD

First Edition  
2017-mm-dd

---

---

## School Clothing — Part 10: Tracksuits



Reference number  
DUS 1687-10: 2017

© UNBS 2017

Compliance with this standard does not; of itself confer immunity from legal obligations

A Uganda Standard does not purport to include all necessary provisions of a contract. Users are responsible for its correct application

© UNBS 2017

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilised in any form or by any means, electronic or mechanical, including photocopying and microfilm, without prior written permission from UNBS.

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: +256 417 333 250/1/2  
Fax: +256 414 286 123  
E-mail: [info@unbs.go.ug](mailto:info@unbs.go.ug)  
Web: [www.unbs.go.ug](http://www.unbs.go.ug)

## Contents

Page

Foreword .....	iv
Introduction.....	v
1 Scope .....	7
2 Normative references.....	7
3 Definitions .....	7
4 Materials .....	8
4.1 General .....	8
4.2 Supplementary materials and components.....	8
4.3 Colour(s) of material(s) and components .....	8
4.4 Stay tape.....	9
5 Style, size designation and make .....	9
5.1 Style .....	9
5.2 Size designation .....	9
5.3 Make.....	10
5.3.1 General .....	10
5.3.2 Tracksuit tops.....	10
5.3.3 Trousers .....	10
6 Packing, care-labelling and marking .....	10
7 Inspection and methods of test .....	10
7.1 Inspection.....	10
7.2 Mass per unit area .....	10
7.3 Bursting strength .....	10
7.4 Dimensional changes on laundering.....	11
7.5 Colour fastness to light .....	11
7.6 Colour fastness to washing.....	11
7.7 Colour fastness to perspiration .....	11
7.8 Abrasion resistance.....	11
Annex A (normative) Notes to purchasers .....	12

## Foreword

Uganda National Bureau of Standards (UNBS) is a parastatal under the Ministry of Trade, Industry and Cooperatives established under Cap 327, of the Laws of Uganda, as amended. UNBS is mandated to coordinate 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 Agreement 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 key stakeholders including government, academia, consumer groups, private sector and other interested parties.

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, *Textile, Leather Paper and Related Products*, Subcommittee SC 1, *Textile and Related Products*

DUS 1687 consists of the following parts, under the general title School Clothing:

Part 1: General requirements for school clothing.

Part 2: Blazers.

Part 3: Trousers and shorts.

Part 4: Shirts.

Part 5: Dresses, tunics and gyms.

Part 6: Girls' slacks and skirts.

Part 7: Knee-high stockings and ankle socks.

Part 8: Jerseys and cardigans.

Part 9: Briefs.

Part 10: Tracksuits.

Part 11: Athletic wear.

## Introduction

### NOTE

- a) requirements that must be specified by the purchaser and those that must be agreed upon between the manufacturer and the purchaser are listed in Annex A; and
- b) information regarding the verification of the quality of tracksuits and a sampling plan that could be used to assess compliance of a lot of tracksuits with this part of DUS 1687 are given in Annex B of DUS 1687-1

DRAFT UGANDA STANDARD FOR PUBLIC REVIEW



# School Clothing — Part 10: Tracksuits

## 1 Scope

This part of DUS 1687 covers the requirements for the materials, size and make of tracksuits.

## 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.

DUS ISO 12947-4, *Textiles — Determination of the abrasion resistance of fabrics by the Martindale method — Part 4: Assessment of appearance change*

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

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

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

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 13938-1, *Textiles — Bursting properties of fabrics — Part 1: Hydraulic method for determination of bursting strength and bursting distension*

DUS 1687-1, *School clothing — Part 1: General requirements for school clothing*

## 3 Definitions

For the purposes of this part of DUS 1687 the definitions given in DUS 1687-1 and the following definitions shall apply:

### size designation

numerical value, in centimetres, of the height and the chest/bust of the intended wearer

### Acceptable

Acceptable to the authority administering this standard, or to the parties concluding the purchase contract, as relevant

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

ISO Online browsing platform: available at <http://www.iso.org/obp>

## 4 Materials

### 4.1 General

- a) the type and structure of the knitted outer material(s), neckbands, collars, cuffs and waistbands shall be as agreed upon between purchaser and supplier. The properties of the outer material shall comply with the requirements given in table 1;
- b) the knitted fabric for the neckbands, collars, cuffs and waist bands shall be of a material compatible with the outer material and shall comply with the requirements given in (c) and (d) of table 1; and
- c) the fibre content of the fabric shall be similar to that of the outer fabric.

**Table 1— Requirements for outer material**

1	2	3
Property	Requirements	Test method subsection
Mass per unit area, g/m <sup>2</sup> , min	200	7.2
Bursting strength, kPa, min	600	7.3
<b>Dimensional changes on laundering, % max</b>		7.4
Length	7	
Width	7	
<b>Colour fastness to:</b>		
Light, rating, min	5	7.5
Washing, rating, min		7.6
Change in colour	4	
Staining of transfer cloths	4	
<b>Perspiration, rating, min.</b>		7.7
Change in colour	4	
Staining of transfer cloths	4	
<b>Abrasion resistance</b>		7.8
Change in appearance, rating, min		
Change in shade, rating, min		

### 4.2 Supplementary materials and components

All supplementary materials and components shall comply with the relevant requirements laid down in 4.2 of DUS 1687-1.

### 4.3 Colour(s) of material(s) and components

The colour(s) of the material(s) and components shall be an acceptable match to the required colour(s) as agreed upon between the purchaser and the supplier.



#### 4.4 Stay tape

The stay tape shall comply with the requirements for type TA 6, and shall be of a colour that is an acceptable match to that of the knitted fabric.

### 5 Style, size designation and make

#### 5.1 Style

- a) each suit shall consist of a tracksuit top and trousers of the same material, and their respective styles shall be as agreed upon; and
- b) the depth of the cuffs, waistband and welts shall be as agreed upon.

#### 5.2 Size designation

The tracksuits shall be supplied in one (or more) of the size designations given in columns 1 and 2 of table 2, as required. The garment measurements of the tops and trousers shall conform to the appropriate values given in columns 3 to 8.

**Table 2— Size designations and garment measurements for tracksuits**

1	2	3	4	5	6	7	8
Size designation		Garment measurements cm, min					
		Tops			Trousers		
Chest/bust	Height	Chest/bust	Back length	Sleeve length*	Seat	Outside leg	Inside leg
56	110	66	43	56	68	66	47
60	116	66	44	58	70	71	50
60	122	70	45	60	72	76	53
64	128	74	48	62	74	79	56
68	134	78	50	64	76	84	59
72	140	82	53	66	80	89	62
76	146	91	55	68	89	92	65
80	152	95	58	70	93	97	68
80	158	95	59	72	97	102	70
84	164	99	60	74	99	104	73
88	170	103	63	76	106	108	76
92	176	112	65	78	108	112	78
96	182	116	68	80	110	114	80
100	182	120	70	82	112	114	80
104	182	124	70	84	116	114	80

\* Measured from the centre back.

## **5.3 Make**

### **5.3.1 General**

The relevant requirements given in sub clause 4.3 of DUS 1687-1 shall apply.

### **5.3.2 Tracksuit tops**

#### **5.3.2.1 Back and front**

- a) the back shall have one panel or shall be as required, and the front shall have two panels or shall be as required; and
- b) tracksuit tops may open fully by means of an open-end slide fastener or partially by means of an appropriate slide fastener, as required.

#### **5.3.2.2 Sleeves**

When so required, the shoulders of the garments with set-in sleeves shall be stayed with:

- a) an appropriate length of stay tape (see 4.4); or
- b) an appropriate length of knitted fabric (that has been cut parallel to the wales direction) of nominal width 10 mm

### **5.3.3 Trousers**

- a) the style and the size of the pockets in trousers shall be as required, and the trousers shall have an elasticized waist; and
- b) all trouser bottoms shall be either blind-felled or cuffed, as required.

## **6 Packing, care-labelling and marking**

The requirements of clause 5 of DUS 1687-1 shall apply.

## **7 Inspection and methods of test**

### **7.1 Inspection**

Visually examine and measure each tracksuit top or each pair of tracksuit trousers (or both) in the sample for compliance with all the relevant requirements of this part of DUS 1687 for which tests to assess compliance are not given in 7.2-7.8 (inclusive).

### **7.2 Mass per unit area**

Use US ISO 3801.

### **7.3 Bursting strength**

Use US ISO 13938-1.

#### **7.4 Dimensional changes on laundering**

Use US ISO 5077, procedure A, but tumble dry at 70°C for 20min.

#### **7.5 Colour fastness to light**

Use US ISO 105-B02.

#### **7.6 Colour fastness to washing**

Use US ISO 105-C10.

#### **7.7 Colour fastness to perspiration**

Use US ISO 105-E04.

#### **7.8 Abrasion resistance**

Use DUS ISO 12947-4, but use 4 000 rubs and a pressure of  $9 \pm 0,2$  kPa, and rate the change in appearance

DRAFT UGANDA STANDARD FOR PUBLIC REVIEW

## **Annex A** (normative)

### **Notes to purchasers**

**B.1** The following requirements must be specified in each tender invitation and in each order or contract:

- a) the colour(s) of the material(s) (see 4.3);
- b) the size designation(s)(see 5.2);
- c) the number of panels in the back and in the front (see 5.3.2.1(a));
- d) whether tracksuit tops are to open fully or partially (see 4.3.2.1(b));
- e) when relevant, whether the shoulders of garments with set-in sleeves are to be stayed with stay tape or with knitted fabric(see 4.3.2.2);
- f) the style and the size of the pockets in trousers(see 4.3.3(a)); and
- g) whether trouser bottoms are to be blind-felled or cuffed (see 4.3.3(b)).

**B.2** The following requirements must be agreed upon between the manufacturer and the purchaser:

- a) the type and structure of the knitted outer material(s), neckbands, collars, cuffs and waistbands (see 4.1); and
- b) the style of the tracksuits and the depth of the cuffs, waistbands and welts (see 5.1).

## Certification marking

Products that conform to Uganda standards may be marked with Uganda National Bureau of Standards (UNBS) Certification Mark shown in the figure below.

The use of the UNBS Certification Mark is governed by the Standards Act, and the Regulations made thereunder. This mark can be used only by those licensed under the certification mark scheme operated by the Uganda National Bureau of Standards and in conjunction with the relevant Uganda Standard. The presence of this mark on a product or in relation to a product is an assurance that the goods comply with the requirements of that standard under a system of supervision, control and testing in accordance with the certification mark scheme of the Uganda National Bureau of Standards. UNBS marked products are continually checked by UNBS for conformity to that standard.

Further particulars of the terms and conditions of licensing may be obtained from the Director, Uganda National Bureau of Standards.



DRAFT UGANDA STANDARD FOR PUBLIC REVIEW

---

---

ICS nn.nnn.nn

Price based on nn pages