

# DRAFT UGANDA STANDARD

First Edition  
2021-mm-dd

---

---

## Textiles — Garments — Part 5: Jacket



Reference number  
DUS 1970-5: 2021

**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 2021

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)

## 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);
- (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 315, *Textiles and related products*.



# Textiles — Garments — Part 5: Jacket

## 1 Scope

This Draft Uganda Standard specifies requirements and test methods for jackets.

This standard is not applicable to protective jackets such as those used in fire fighting

## 2 Normative references

The following documents are 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.

US ISO 139, *Textiles — Standard atmospheres for conditioning and testing*

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

US ISO 9073-1, *Textiles — Test methods for nonwovens — Part 1: Determination of mass per unit area*

US ISO 12945-1, *Textiles — Determination of fabric propensity to surface fuzzing and to pilling — Part 1: Pilling box method*

US ISO 12947-1, *Textiles — Determination of the abrasion resistance of fabrics by the Martindale method — Part 1: Martindale abrasion testing apparatus*

US ISO 13934-1, *Textiles — Tensile properties of fabrics — Part 1: Determination of maximum force and elongation at maximum force using the strip method*

US ISO 13938-2, *Textiles — Bursting properties of fabrics — Part 2: Pneumatic method for determination of bursting strength and bursting distension*

## 3 Terms and definitions

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

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>

### 3.1

#### **fleece**

wool like fabric made from any fibre

### 3.2

#### **jacket**

outer garment extending either to the waist or the hips, typically having sleeves and a fastening down the front

## 4 Requirements

### 4.1 General requirements

The jacket shall comply with the requirements specified in DUS 1970-1.

### 4.2 Specific requirements

#### 4.2.1 Physical and chemical requirements

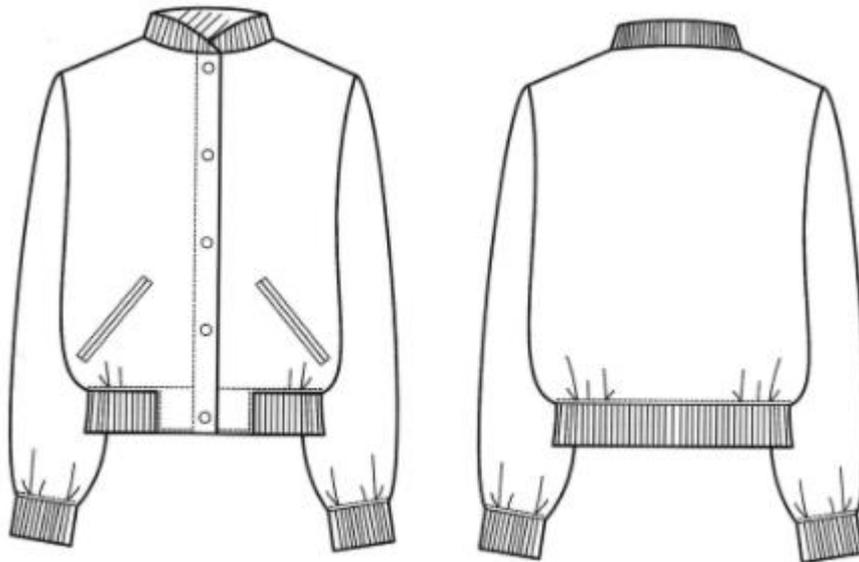
The jacket or the fabric used for the manufacture of jackets shall conform to the requirements given in Table 1.

**Table 1 — Specific requirements of fabric used to manufacture jackets**

Parameter		Requirement	Test method
Mass per unit area, g/m <sup>2</sup> , min.		190	US ISO 3801 or ISO 9073-1
Breaking strength, N, min.	Warp direction	600	US ISO 13934-1
	Weft direction	400	
Tear strength (for both directions), N, min.		25	US ISO 13937-1
Bursting strength, kPa, min.		200	US ISO 13938 -2
Abrasion (2000 rubs), min.		No noticeable wear	US ISO 12947-1
Piling resistance (After 5 h of test), min.		4	ISO 12945

#### 4.2.2 Size designation and dimensions

4.2.2.1 A typical shapes of a jacket is shown in Figure.1.



**Figure 1 — Typical shape of a jacket**

**4.2.2.2** The dimensions of jackets of different sizes and designs should conform to the requirements of Table 2 when measured by the method specified in Annex A. Unless otherwise, dimensions should be agreed upon between the purchaser and the manufacturer.

NOTE The dimensions/sizes given in Table 2 are for guiding the manufacturer.

**4.2.2.3** The size of the fleece jacket shall be as declared by chest in range

**Table 2 — Dimensions of jackets**

<b>Size designation</b>	<b>Chest, cm</b>	<b>Low waist, cm</b>	<b>Hip, cm</b>
XS (34)	90	78.5	91
S (36)	94	82.5	95
M (38)	98	86.5	99
L (40)	102	90.5	103
XL (42)	106	94.5	107
XXL (44)	110	98.5	111
XXXL (46)	114	102.5	115
XXXXL (48)	118	106.5	119
NOTE These dimensions are based on the British sizing system. An equivalent of the British sizing chart may be considered			

### **4.2.3 Seams and stitches**

**4.2.3.1** All the joinings shall be stitched with 4 or 5-thread overlock or twin needled lap seam

**4.2.3.2** The number of stitches shall not be less than 3 per centimetre at any place

**4.2.3.3** 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

**Annex A**  
(normative)

**Determination of dimensions of jackets**

**A.1 Principle**

Lay a piece of a jacket on a flat table removing any curls and without stretching, take the measurements from one end to the other using a steel rule. Repeat the procedure for other specimens in the laboratory sample.

**A.2 Apparatus**

**A.2.1 Flat table**

**A.2.2 Steel rule**, accuracy of at least 1 mm

**A.2.3 Calculator**

**A.3 Sampling**

From a laboratory sample, take one shirt and subject it to conditioning prior to testing.

**A.4 Conditioning**

Condition the specimen in accordance with US ISO 139.

**A.5 Procedure**

Take each jacket constituting the test sample. Lay it flat on a table. Remove by hand all creases and wrinkles without distorting it. Measure correct to the nearest 0.5 cm the dimensions given in Table 2.

Repeat the procedure for any other specimen that may be required in the laboratory sample.

**A.6 Calculation and expression of results**

Take the average of the individual measurements and double the result to obtain the dimensions

Public Review Draft

## 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.





Public Review Draft

---

---

**ICS 61.020**

Price based on nn pages