

PRIVATE SPECIFICATION

1028/PS
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Knitted fleece fabric

1 Scope

This specification covers the requirements for one type of knitted fleece fabric suitable for use in the manufacture of tracksuits for the Department of Correctional Services.

NOTES

1 The following requirements will be specified in tender invitations and in each order or contract:

- a) the width, if other than as specified (see 4.3);
- b) the colour (see 4.5);
- c) the method of packing, if other than as specified (see 5.1); and
- d) additional marking, if required (see 5.3).

2 Special conditions of tender (which cover the conditions of acceptance of the knitted fleece fabric) are given in annex A.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this specification. All standards are subject to revision and, since any reference to a standard is deemed to be a reference to the latest edition of that standard, parties to agreements based on this specification are encouraged to take steps to ensure the use of the most recent editions of the standards indicated below. Information on currently valid national and international standards may be obtained from the South African Bureau of Standards.

CKS 28, *Packs for textile goods.*

CKS 129, *Colours for textiles.*

SABS 1270, *General requirements for woven textile piece-goods and household articles.*

SABS 04, *Terms and definitions for textiles and textile merchandise.*

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SABS 076-4, *The assessment of defects in textile piece-goods and made-up articles - Part 4: Defects in knitted piece-goods.*

SABS 0153-1, *The labelling and marking of textiles - Part 1: Direct markings on piece-goods.*

SABS 0153-2, *The labelling and marking of textiles - Part 2: Labelling of piece-goods and marking of bulk containers.*

SABS method 70, *Conditioning of textiles, and standard temperate atmosphere for determining their physical and mechanical properties.*

SABS method 79, *Textiles - Mass per unit area of conditioned fabrics.*

SABS method 81, *Width of a textile fabric sample.*

SABS method 82, *Width of a textile fabric in a piece or roll.*

SABS method 84, *Length of fabric in a piece or roll.*

SABS method 275, *Wales and courses per unit length in knitted textile fabrics (counting glass method).*

SABS method 443, *Textiles - Colour fastness to washing - Test 2.*

SABS method 731, *Colour fastness of textiles to perspiration (histidine method).*

SABS method 960, *Textiles - Dimensional stability during washing and drying procedures.*

SABS method 1104, *Stitch length of weft-knitted fabrics.*

3 Definitions

For the purposes of this specification, the definitions given in SABS 04 and the following definition apply:

acceptable: Acceptable to the Commissioner, Department of Correctional Services.

4 Requirements

4.1 General

The fabric shall have been made in accordance with sound manufacturing practice, shall be dyed and shall have a raised finish on the technical reverse side of the fabric. It shall be of acceptably uniform make, width, colour and finish, and shall be delivered in a clean and commercially dry condition. The finished fabric shall be at least equal in quality, handle and appearance to the corresponding sealed sample held by the Commissioner, Department of Correctional Services.

4.2 Structure

The structure of the fabric, determined in accordance with 6.3, shall be a flat, weft knitted laid-in fabric, knitted on a 3 x 1 tuck basis.

4.3 Width

Unless otherwise specified in the order or contract, the width of the fabric shall be not less than 166 cm.

4.4 Piece length

Each piece shall comply with the relevant requirements given in SABS 1270 for piece length for "other piece-goods for apparel".

4.5 Colour and colour match

The colour of the fabric shall be an acceptable match, in terms of SABS 076-4, to the colour specified in the order or contract and shall preferably be one of the colours given in CKS 129.

4.6 Fabric

The fabric shall comply with the requirements given in table 1.

Table 1 - Fabric requirements

1	2	3
Property	Requirement	Test method subclause
Composition	100% cotton	6.4
Mass per unit area, g/m ² , min.	265	6.5
Stitch length, mm, max.	4,4	6.6
Number of courses per 10 cm, min.	130	6.7
Number of wales per 10 cm, min.	90	6.7
Dimensional changes on laundering, %, max.		6.8
Length direction	10	
Width direction	10	
Colour fastness to:		
a) Washing, rating, min.		6.9
Change in colour	4	
Staining of transfer cloths	4	
b) Perspiration, rating, min.		6.10
Change in colour	4	
Staining of transfer cloths	4	

4.7 Defects

The assessment and stringing of defects, and the deductions to be made for strung and unstrung defects, shall be in accordance with SABS 076-4 and shall be based on the following LAQs:

- a) for pieces: 10;
- b) for a lot: 8.

5 Packing, labelling and marking

5.1 Packing

Unless otherwise specified in the order or contract, each piece shall be suitably rolled and the rolls shall be packed in accordance with the requirements of CKS 28. Only pieces of the same width, colour and finish shall be packed together in a bulk container.

5.2 Labelling and marking

Pieces and bulk containers shall be labelled and marked in accordance with SABS 0153-1 and SABS 0153-2.

5.3 Additional marking

When so required by the Commissioner, Department of Correctional Services, pieces or bulk containers (or both) shall bear information additional to that specified in 5.2.

6 Inspection and methods of test

6.1 Inspection

After checking for compliance with the relevant requirements of clause 5, visually examine and then measure each piece in the sample for compliance with the requirements given in 4.1, 4.3, 4.4, 4.5 and 4.7, using SABS method 82 and SABS method 84 to measure the width and length respectively.

6.2 Conditioning

Condition each test sample in accordance with SABS method 70 and, using SABS method 81, measure the width of the test sample before cutting from it the test specimens required for the tests given in 6.3 to 6.10 (inclusive).

6.3 Structure

Determine by physical examination.

6.4 Composition

Determine by microscopical examination and chemical analysis.

6.5 Mass per unit area

Use SABS method 79.

6.6 Stitch length.

Use SABS method 1104.

6.7 Number of courses and wales per unit length

Use SABS method 275.

6.8 Dimensional changes on laundering

Use SABS method 960: Washing procedure D and Drying procedure G.

6.9 Colour fastness to washing.

Use SABS method 443.

6.10 Colour fastness to perspiration

Use SABS method 731.

Annex A
(normative)

Special conditions of tender

A.1 Unless otherwise stated, the Commissioner, Department of Correctional Services (or an officer or organization deputed by him), shall be the inspecting authority.

A.2 A pre-production sample of the fabric shall have been inspected, tested and approved by the inspecting authority before bulk production is commenced, and it shall be the duty of the manufacturer to give adequate notice to the inspecting authority of the availability of this sample.

A.3 The fabric shall be subject to inspection during the course of manufacture. The inspector shall, during normal working hours, be given all reasonable facilities for carrying out his duties and shall have the right of entry into the contractor's factory and the factory or works of any subcontractor where work on the fabric supplied to this specification may be in progress.

A.4 The contractor shall inspect the finished fabric for compliance with this specification before submitting it to the inspecting authority for final inspection.

A.5 Before acceptance, the fabric shall have been inspected and tested by the inspecting authority and found to comply with the requirements of this specification.