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SCHOOL CLOTHING – PART. 12 - TRACKSUITS

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School clothing — Part 12: Tracksuits



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Foreword

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This African Standard was prepared by the ARSO Technical Harmonization Committee Number 7 on Leather and Textile Products (ARSO/THC 07).

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School clothing — Part 12: Tracksuits

1 Scope

This part of African Standard covers the requirements for the materials, size and make of tracksuits.

2 Normative references

The following referenced documents are indispensable for the application 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.

ARS 1551, *Textiles and textile merchandise — Terms and definitions*

ARS 1552, *Standard methods of garment measurement — Code of practice*

ARS 1568-1, *School clothing — Part 1: General requirements for school clothing*

ASTM D3776, *Standard Test Methods for Mass per Unit Area (Weight) of Fabric*

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

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

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

ISO 2859-1, *Sampling procedures for inspection by attributes — Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection*

ISO 6330, *Textiles — Domestic washing and drying procedures for textile testing*

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

ISO 12947-2, *Textiles — Determination of the abrasion resistance of fabrics by the Martindale method — Part 2: Determination of specimen breakdown*

ISO 12947-3, *Textiles — Determination of the abrasion resistance of fabrics by the Martindale method — Part 3: Determination of mass loss*

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

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

3 Terms and definitions

For the purposes of this standard the definitions given in ARS 1551, ARS 1568-1 and the following definitions shall apply:

3.1

size designation

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

3.2

size designation

the numerical value, in centimetres, of the circumference of the neck of the intended wearer

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3.3

make

a systematic assembly and attachment of garment component parts

3.4

trims

narrow fabric generally used for the purpose of decorating or adorning furnishing **fabrics** or clothing, but often fulfilling a utilitarian function

3.5

size

a specific set of dimension for a manufactured article especially clothing

4 Materials

4.1 General

The type and structure of the knitted outer material(s), neckbands, collars, cuffs and waistbands shall be as agreed upon. The properties of the outer material shall comply with the requirements given in Table 1.

The knitted fabric for the neckbands, collars, cuffs and waistbands shall be of a material compatible with the outer material and shall comply with the requirements given in (c) and (d) of Table 1.

The fibre content of this fabric shall be similar to that of the outer fabric.

Table 1 — Requirements for outer material

1	2	3
Parameters	Requirements	Test method subsection
a) Mass per unit area , g/m ² , min.	200	8.2
b) Bursting strength , kPa, min.	600	8.3
c) Dimensional changes on laundering , %, max.		8.4
Length	7	
Width	7	
d) Colour fastness to:		
1) Light, rating, min.	5	8.5
2) Washing, rating, min.		8.6
Change in colour	4	
Staining of adjacent clothes	4	
3) Perspiration, rating, min.		8.7
Change in colour	4	
Staining of adjacent clothes	4	
e) Abrasion resistance		8.8
1) Change in appearance, rating, min.	4	
2) Change in shade, rating, min.	4	

4.2 Supplementary materials and components

4.2.1 General

All supplementary materials and components shall comply with the relevant requirements laid down in 4.2 of ARS 1568-1.

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

The colour(s) shall be agreed upon between the purchaser and the supplier.

4.4 Stay tape

The stay tape 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 between the purchaser and the supplier.
- b) The depth of the cuffs, waistband and welts shall be as agreed upon between the purchaser and the supplier.

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 (for guidance only)

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 subclause 4.3 of ARS 1568-1 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.
- 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.

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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 /or drawstring.
- b) All trouser bottoms shall be either blind-felled or cuffed, as required.

6 Sampling

Sampling shall comply with ISO 2859-1.

7 Packing Packaging, care-labelling and marking

The requirements of Clause 5 of ARS 1568-1 shall apply.

8 Inspection and methods of test

8.1 Inspection

Visually examine and measure, in accordance with ARS 1552, 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 ARS 1568. In addition to the test methods specified in Table 1 other standards methods that are traceable to higher standards (reference standards) may be used.

8.2 Mass per unit area

Use ASTM D3776.

8.3 Bursting strength

Use ISO 13938-1.

8.4 Dimensional changes on laundering

Use ISO 6330, procedure A, but tumble dry at 70 °C for 20 min.

8.5 Colour fastness to light

Use ISO 105-B02.

8.6 Colour fastness to washing

Use ISO 105-C10.

8.7 Colour fastness to perspiration

Use ISO 105-E04.

8.8 Abrasion resistance

Use ISO 12947, but use 4 000 rubs and a pressure of 9 ± 0.2 kPa, and rate the change in appearance.

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