**Ladies’ briefs**— Specification



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Ministry of Industrialization and Trade

Technical University of Kenya(TUK)

MumsbyKare Ltd

Intertek

Rivatex Ltd

SpinKnits Ltd

Ministry of Defence-Reaseacrch & Development

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Foreword

This Kenya Standard was prepared by the Technical Committee on Ready Made Garments under the guidance of the Standards Projects Committee, and it is in accordance with the procedures of Kenya Bureau of Standards

A number of manufacturers are engaged in fabricating knitted ladies’ briefs from knitted and disposable fabrics and this standard is intended to help such manufacturers in producing quality goods and safeguarding the interests of the consumers in terms of health and quality products.

This second edition cancels and replaces First edition of KS 525:1984 which has been technically revised to include disposable briefs.

During the preparation of this standard, reference was made to the following publication:

KS 08-495 Specification for gent’s knitted briefs

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GB/T 28005-2011 Paper underpants

Acknowledgement is hereby made for the assistance derived from this source.

Ladies’ briefs Specification

**1.SCOPE**

This Kenya Standard prescribes the requirements and test methods for all types of briefs for girls and women. This is applicable to knitted and disposable briefs.

**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.

KS ISO 8559-1, Size designation of clothes — Anthropometric definitions for body measurement,

KS ISO 8559-2 Size designation of clothes \_Primary and secondary dimension

KS ISO 14362-3. Textiles — Methods for determination of certain aromatic amines derived from azo colorants- Part 3: Detection of the use of certain azo colorants, which may release 4-aminoazobenzene

KS EAS 220:2018 Knitted polyester fabric

KS EAS 222:2018 Knitted polyester-cellulosic blended fabric - Specification

KS EAS 227 :2018 Knitted cotton fabric - Specification

KS ISO 9073-15 Textiles - Test methods for nonwovens Part 15: Determination of air permeability.

KS ISO 1833 Textile- Quantitative chemical analysis

KS ISO 9073-18

Ks iso 1833-11 Textiles — Quantitative chemical analysis — Part 11: Mixtures of certain cellulose fibres with certain other fibres (method using sulfuric acid)

KS ISO 3071 Textiles - Determination of pH of aqueous extract

KS ISO 3758. KS ISO 3758:2012Textiles-care labelling code using symbols

**3.Terms and Definitions**

For the purpose of this standard, the definitions given below and the definitions given in KS ISO 8559-1, Size designation of clothes — Anthropometric definitions for body measurement, KS ISO 8559-2 Size designation of clothes \_Primary and secondary dimension shall apply

3.1 Briefs - are a type of short, form-fitting underwear, as opposed to styles where material extends down the thighs and are worn by women.

**4. Requirements**

**4.1 General Requirements**

**4.1.1** Manufacture

**4.1.1.1** The briefs shall be supplied with an elastic braid which shall be accommodated by folding and/or stitching the knitted fabric at the waist band.

**4.1.1.2** Elastic Flat Braid — The elastic flat braids used shall comply with the requirements in KS 529, Specification for elastic flat braid.

**4.1.2** Freedom from Defects

**4.1.2.1** The briefs shall be free from any manufacturing defects such as darning,holes,lumps, oil,stains mends, ladders, dropped stitches, holes, cuts, missing stitches at the stitched parts and any other appearance defects

**4.1.3** Decomposable aromatic amine dyes

The Decomposable aromatic amine dyes shall not be more than 20mg/kg when determined in accordance to KS ISO 14362-3.

**4.1.4** Fabrics

**4.1.4.1** The knitted fabrics from which the briefs are manufactured shall comply with the requirements of the KS EAS 220, KS EAS 222 and KS EAS 227 for knitted fabrics

**4.4 Seams and Stitches**

The number of stitches shall be not less than 3.5 per centimetre in the cases where stitches are used.

**5.9 Specific Requirements**

The fabric properties of the disposable briefs shall be as specified in Table 1

Table 1: **Performance requirements for disposable briefs**

|  |  |  |  |
| --- | --- | --- | --- |
| **S/N** | **Characteristic** | **Requirement** | **Test method** |
|  | Air Permeability, l/cm2.s, min | 0.015 | KS ISO 9073-15\* |
|  | Fiber composition | 100% Cellulose | KS ISO 1833-11 |
|  | Tensile strength, kN/m, min | Cross direction | 0.6 |
|  | Machine direction | 0.6 |
|  | pH | 4-7.5 | KS ISO 3071 |
| use differential pressure of 100 Pa across the specimen | | | |

**5.Packaging**

The briefs shall be packed in a suitable packaging material that can protect them from dust, dirt and water.

The following information in English to appear in the sales package

**6.MARKING**

The following information which shall be in English shall be in a suitable cloth label securely attached to each knitted brief at the inside near the waist band. For Disposable briefs the information shall be indicated in the sales package

1. The manufacturer’s name and/or trade mark.
2. Hip girth in CM
3. Fibre composition of the material.
4. Care instructions as given in accordance with KS ISO 3758.
5. The country of Origin