

KENYA STANDARD

DKS 525:2021

ICS 59.080

Second Edition

Ladies' briefs— Specification



**Kenya Bureau of
Standards**

Standards for Quality life

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Ministry of Industrialization and Trade
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In order to keep abreast of progress in industry, Kenya Standards shall be regularly reviewed. Suggestions for improvements to published standards, addressed to the Managing Director, Kenya Bureau of Standards, are welcome.

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Kenya Bureau of Standards, Popo Road, Off Mombasa Road,
P.O. Box 54974 - 00200, Nairobi, Kenya



+254 020 6948000, + 254 722202137, + 254 734600471



info@kebs.org



@KEBS_ke



Kenya bureau of standards (kebs)

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

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
i.	Air Permeability, l/cm ² .s, min	0.015	KS ISO 9073-15*
ii.	Fiber composition	100% Cellulose	KS ISO 1833-11
iii.	Tensile strength, kN/m, min	Cross direction	0.6
iv.		Machine direction	0.6
v.	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

- i. The manufacturer's name and/or trade mark.
- ii. Hip girth in CM
- iii. Fibre composition of the material.
- iv. Care instructions as given in accordance with KS ISO 3758.
- v. The country of Origin |