

# wrapping paper — Specification

© KEBS 2014

1<sup>st</sup> Edition 2014

Public Review Draft January 2014

TECHNICAL COMMITTEE REPRESENTATION

The following organizations were represented on the Technical Committee:

University Of Nairobi – Chemistry Dept  
Kenya Industrial Research and training Institute  
National Environment Management authority  
East African Packaging Industries  
Kenya flower council  
Export promotion council  
Consumer Information Network  
Government Chemist  
Sumaria Industries Ltd.  
GS1 Kenya  
Nakumatt Holdings Ltd  
Uchumi Supermarkets Ltd.  
Kenya Association Of Manufacturers (KAM)  
Ministry of Industrialization & Enterprise development  
Tetrapak  
Nestle Ear  
Coca Cola East & Central Africa Ltd  
Barcode Global Standards 1 (Ea) Ltd  
Institute of Packaging of Kenya  
Kenya Bureau of Standards — Secretariat

REVISION OF KENYA STANDARDS

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.

©Kenya Bureau of Standards, 2014

*Copyright. Users are reminded that by virtue of Section 25 of the Copyright Act, Cap. 12 of 2001 of the Laws of Kenya, copyright subsists in all Kenya Standards and except as provided under Section 26 of this Act, no Kenya Standard produced by Kenya Bureau of Standards may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from the Managing Director.*

**KENYA BUREAU OF STANDARDS (KEBS)**

**Head Office:** P.O. Box 54974, Nairobi-00200, Tel.: (+254 020) 605490, 602350, Fax: (+254 020) 604031  
E-Mail: info@kebs.org, Web: <http://www.kebs.org>

**Coast Region**

P.O. Box 99376, Mombasa-80100  
Tel.: (+254 041) 229563, 230939/40  
Fax: (+254 041) 229448

**Lake Region**

P.O. Box 2949, Kisumu-40100  
Tel.: (+254 057) 23549, 22396  
Fax: (+254 057) 21814

**Rift Valley Region**

P.O. Box 2138, Nakuru-20100  
Tel.: (+254 051) 210553, 210555

## Foreword

This standard has been prepared by the Technical Committee on packaging under the guidance of the Standards Projects Committee, and it is in accordance with the procedures of the Kenya Bureau of Standards.

Wrapping refers to the act of enclosing a gift or item in some sort of material. In the case of gifts they may be held closed with ribbon and topped with a decorative bow (an ornamental knot made of ribbon).

This standard shall be useful to manufacturers of wrapping paper in checking quality. Parameters covered in the Standard include, grammage, dimension, Bursting strength, tearing resistance among others

During the preparation of this Standard reference was made on;

### **CKS 136 — Wrapping paper**

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



# Kenya Standard wrapping paper — Specification

---

## 1. Scope

This Kenya Standard prescribes the requirements and test methods for paper used for wrapping items such as gifts among others

## 2. Normative reference

*The following normative document contains provisions which, through reference in this text, constitute provisions of this Kenya Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this Kenya Standard are encouraged to investigate the possibility of applying the most recent edition of the normative document indicated below. For undated references, the latest edition of the normative document referred to applies.*

*ISO 536:2012: Paper and board -- Determination of grammage*

*ISO 2758:2001 Paper -- Determination of bursting strength*

*ISO 187 Paper and board -- Conditioning of samples*

*ISO 9184-1:1990 Paper, board and pulps -- Fibre furnish analysis -- Part 1: General method*

*ISO 1974:2012 Paper -- Determination of tearing resistance -- Elmendorf method*

## 3 Requirements

### 3.1 Types

The wrapping paper shall be of two types

#### 3.1.1 Type 1

The paper is intended to be used as a primary packaging material and when strength of wrapping is required.

#### 3.1.2 Type 2

The paper is intended to be used when the strength of wrapping is of secondary consideration

### 3.2 Physical properties

The physical properties of the wrapping paper shall comply with the relevant requirement given in table 1.

**Table 1:Physical and chemical requirement of the gift wrapping paper**

S.NO	Characteristics	Requirement							Test method
		Type 1			Type 2				
a.	Fibre composition	100% un bleached chemically processed							KS ISO 9184-1:1990
b.	Grammage,%,±5	40	50	80	100	55	70	80	KS ISO 536:2012
c.	Bursting strength,k.P.a,min	85	105	180	230	100	140	165	KS ISO 2758:2001
d.	Tearing resistance( $\frac{MD + CD}{2}$ ),mN/sheet,min	280	380	730	1000	390	570	685	KSISO 1974:2012

### 3.3 Dimensions

**3.3.1** The dimensions of the sheet shall be as specified in the marking subject to a tolerance of ± 0.5% or 3mm whichever is less.

**3.3.2** When measured in accordance to annex A, the width and diameter of the reel shall be as specified in the marking. The tolerance of ± 6mm shall be applied on the diameter of the reel.

### 3.4 Finish

**3.4.1** The wrapping paper shall be free from imperfections such as holes, slime spots, foreign matter and other defects that may impair its serviceability.

**3.4.2** The finish shall be either machine glazed or unglazed

## **4 Packaging and Marking**

### **4.1 Packaging**

Wrapping paper shall be packed in materials or containers that protects them from damage during normal handling, storage and transportation.

### **4.2 Marking**

- a** manufactures/suppliers name or trade mark or both
- b** the grammage of the wrapping paper
- c** dimension of the wrapping paper
- d** country of origin/manufacture

Public Review Draft January 2014

**Annex A**  
**(normative)**

**Measurement of dimensions**

**A.1** Measure to the nearest 0.5mm, the width, (parallel to the cross direction of the paper), of each five test specimen taken across full width of five separate rolls and record the average of the results.

**A.2** Measure to the nearest 1mm, the diameter of each of the five rolls and record the results.

Public Review Draft January 2014