

ICS 85.060

CCS Y32



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 12913-2008

Replacing GB/T 12657-1990

Capacitor tissue paper

电容器纸

Issued on: August 19, 2008

Implemented on: May 1, 2009

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

Table of Contents

- 1 Scope
- 2 Normative reference standard
- 3 Product Categories

Foreword

This standard integration and replaces GB/T 12913-1991 "capacitor paper", GB/T 14217-1993 "paper-capacitor dissipation factor (Tgdelta) Determination ", GB/T 12656-1990" frequency breakdown voltage capacitor paper determination "and GB/T 12657-1990" capacitor paper guide Isoelectric point determination. " This standard and GB/T 12913-1991, GB/T 14217-1993, GB/T 12656-1990 and GB/T 12657-1990 phase Ratio, the main changes are as follows: Etc.

- level of quality from the original, etc. A, B and C and so on to superior products, first-class goods and qualified products;
- Modified I and II capacitor paper defined and according to market demand, the type II capacitor paper thicknesses range from the original 4 μ m ~ 17 μ m expanded to 4 μ m ~ 22 μ m;
- The type I series 1.15g/cm³ tightness series shifted type II series;
- The type II series tightness of 1.22g/cm³ was changed to 1.20g/cm³;
- Improve water soluble chloride index;
- Improving the ash indicators;
- Modified capacitor paper size specifications;
- Modify the number of joints capacitor paper;
- Revised delivery inspection sampling program;
- Modify the product identification method;
- Modified capacitor paper and packaging requirements;
- Due to improved measuring device, the determination of appropriate adjustments to the paper medium capacitor loss factor. The Standard Appendix A, Appendix B, Appendix C are normative appendix. The standard proposed by China National Light Industry Council. This standard by the National Standardization Technical Committee of the paper industry. This standard was drafted. Minfeng Special Paper Co., Nine Dragons Paper Pulp (Leshan) Co., Ltd., China Pulp and Paper Research Institute. The main drafters of this standard. Hai-Ning

Liu, Zhu Xiaohong, Zhang Jianping, Wang early beads. This standard replaces the standards previously issued as follows:

--- QB603-1981, GB/T 12913-1991;

1 Scope

GB/T 12913-2008 is the Chinese national standard on capacitor tissue paper, in the field of paper technology. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 19 August 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 May 2009. Classification: ICS 85.060, CCS Y32. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the capacitor paper product classifications, technical requirements, test methods, inspection rules, marking, packaging, transportation and storage. This standard applies to do metallized paper dielectric capacitors and standard capacitor paper.

2 Normative reference standard

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 450 and take samples to an aspect of paper and paperboard samples, positive and negative determination (GB/T 450-2008, ISO 186. 2002, MOD)

GB/T 451.1 Paper and board size and skewness assay

GB/T 451.3 Paper and board - Determination of thickness (GB/T 451.3-2002, idt ISO 534. 1988)

GB/T 462 paper, board and pulp - Determination of water sample (GB/T 462-2008, ISO 287. 1985, ISO 638. 1978, MOD)

GB/T 742 paper-making raw material, pulp, paper and board Determination of ash (GB/T 742-2008, ISO 2144.1997, MOD)

GB/T 1408.1 insulating materials electric strength test methods - Part 1. Test (

GB/T 1408.1-2006 power frequencies, IEC 60243-1.1998, IDT)

GB/T 1545.1-2003 paper, board and pulp - Determination of water extract of acidity or alkalinity Determination of

GB/T 2678.2 paper, paperboard and pulp water-soluble chlorides

GB/T 2828.1 Sampling procedures for inspection - Part 1. by acceptance quality limit (AQL) retrieval batch inspection sampling plan (GB/T 2828.1-2003, ISO 2859-1.1999, IDT)

GB/T 7977 paper, board and pulp - Determination of conductivity of aqueous extracts (GB/T 7977-2007, ISO 6587.1992, MOD)

GB/T 10342 paper packaging and identification

GB/T 10739 paper, paperboard and pulp sample processing and testing standard atmospheric conditions (GB/T 10739-2002, eqv ISO 187. 1990)

3 Product Categories

3.1 capacitor paper mass divided into superior products, first-class products, qualified three levels.

3.2 capacitor paper according to their tightness type I and II. 3.2.1 I type of tightness of 1.00g/cm³.

3.2.2 type II tightness of 1.20g/cm³ and 1.15g/cm³.

3.3 capacitor paper for the web, web width of 140mm, 280mm, 420mm, 500mm or in compliance with the provisions of the contract.

3.3.1 web width tolerance. a width less than or equal to 200mm who deviation should be no greater than $\pm 1.0\text{mm}$; width greater than 200mm Who deviation should be no greater than $\pm 2.0\text{mm}$.

3.3.2 Conventional roll diameter of 220mm ~ 250mm. Paper core inner diameter (75 ± 1.0) mm, (76 ± 1.0) mm. When the order contract When there is agreement, as per contract.

3.4 capacitor paper type, thickness, size, grade, packaging shall be specified in the contract.