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

GB/T 1912-2018

Replacing GB/T 1912-2007

Bible paper

字典纸

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB/T 1912-2007 "dictionary paper". Compared with GB/T 1912-2007, the main changes of this standard are as follows:

- Adjusted normative references (see Chapter 2, Chapter 2 of the.2007 edition);
- Modified product classification, no longer divided into quality levels (see Chapter 3, Chapter 3 of the.2007 edition);
- Added 22.0g/m² quantitative specifications and technical requirements (see Table 1);
- Adjusted tightness, lateral folding resistance, longitudinal tensile index, smoothness, D65 brightness, opacity, moisture delivery, surface water absorption, Specifications for surface strength, dustiness, surface pH, etc. (see Chapter 4, Chapter 4 of the.2007 edition). Please note that some of the contents of this document may involve patents. The issuing organization of this document is not responsible for identifying these patents. This standard was proposed by the China Light Industry Association. This standard is under the jurisdiction of the National Paper Industry Standardization Technical Committee (SAC/TC141). This standard was drafted. Xianhe Co., Ltd., Jinan Xinyi Special Paper Co., Ltd., Nanjing Aide Printing Co., Ltd., made in China Pulp and Paper Research Institute Co., Ltd., China Paper Association Standardization Professional Committee. The main drafters of this standard. Dai Xianzhong, Qiu Wenlun, Luo Huaying, Chai Zhengling, Liu Junmin, Sun Jianming, Cai Yongping, Wei Lin. The previous versions of the standards replaced by this standard are.
- GB/T 1912-1989, GB/T 1912-2007. Dictionary paper

1 Scope

China's national product standard for bible paper - the very thin, very opaque printing paper used for dictionaries, reference works and scientific publications. It specifies the classification, the requirements, the test methods, the inspection rules, and the marking,

packaging, transport and storage, and it applies to high-grade printing papers of this kind for rotary and offset printing. Bible paper exists to solve one contradiction. A dictionary has to contain thousands of pages and still be a book a person can hold, so the paper must be extremely light - a fraction of the grammage of ordinary book paper. But thin paper is transparent, and print showing through from the reverse side makes dense typeset text unreadable. So the paper has to be simultaneously very thin and highly opaque, which is achieved by loading it heavily with mineral filler and calendering it hard, and every other property has to survive that treatment. The requirements are accordingly a set of tensions rather than a list. Grammage and thickness with tight tolerances, because a book block of a thousand leaves multiplies any deviation. Opacity, which is the defining property. Folding endurance, since a filled, heavily calendered sheet is inherently brittle and a dictionary page is turned thousands of times. Tensile strength and surface strength, because the sheet has to run through a high-speed press and take ink without picking. Smoothness and brightness for print quality, dust content, water absorbency, moisture, and pH - the last mattering because a reference book is meant to last and an acidic sheet destroys itself. Issued on 28 December 2018 and in force since 1 July 2019, it replaces GB/T 1912-2007.

This standard specifies the classification, requirements, test methods, inspection rules, marking, packaging, transportation and storage of dictionary paper. This standard applies to advanced printing papers such as reference books and scientific publications for rotation and lithography.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article. Pieces. For undated references, the latest edition (including all amendments) applies to this document. Determination of

GB/T 450 paper and paperboard samples and determination of longitudinal, lateral and frontal surfaces of samples

GB/T 451.1 Determination of paper and board size and skewness

GB/T 451.2 Determination of the quantitative determination of paper and paperboard

GB/T 451.3 Determination of paper and board thickness

GB/T 456 Determination of the smoothness of paper and board (Bick method)

GB/T 457-2008 Determination of the folding resistance of paper and paperboard

GB/T 462 Determination of moisture in paper, paperboard and pulp analysis samples

GB/T 1540 paper and paperboard for the determination of water absorption

GB/T 1541 Determination of paper and cardboard dust

GB/T 1543 Determination of opacity (paper backing) of paper and paperboard (diffuse reflection method)

GB/T 2828.1. Sampling procedures for sampling by sampling - Part 1 . Batch-to-batch sampling plan, searched by AQL

GB/T 7974 Determination of the brightness of blue diffuse reflection factor D65 of paper, paperboard and pulp (diffuse/vertical method, outdoor daylight conditions)

GB/T 7975 paper and board color determination method (diffuse reflection method)

3 Classification

Dictionary paper is divided into two types. ordinary type and micro type.

4 Requirements

4.1 The technical specifications of the dictionary paper shall comply with the requirements of Table 1 or the contract.