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

GB/T 10335.5-2023

Replacing GB/T 10335.5-2008

Coated paper and board - Part 5: Coated linerboard

涂布纸和纸板 第5部分：涂布箱纸板

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Foreword

This document complies with the provisions of GB/T 1:1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents" Drafting: This document is Part 5 of GB/T 10335 "Coated Paper and Paperboard": GB/T 10335 has released the following parts:

---Coated art printing paper (coated paper) (GB/T 10335:1-2017);

---Lightweight coated paper (GB/T 10335:2-2018);

---Coated white cardboard (GB/T 10335:3-2018);

---Coated white cardboard (GB/T 10335:4-2017);

---Part 6: Water-based coated paper (GB/T 10335:6-2023): This document replaces GB/T 10335:5-2008 "Coated Paper and Paperboard Coated Containerboard": Compared with GB/T 10335:5-2008, except In addition to structural adjustments and editorial changes, the main technical changes are as follows:

a) Changed the basis weight, width difference, tightness, transverse ring pressure strength index, transverse folding endurance, printing surface roughness, and printing gloss strength, printing surface strength, ink absorbency, water absorbency, dustiness, dimensional deviation, skewness, appearance quality requirements (see 5:1,:2008 version 4:1);

b) Added quantitative deviation, internal bonding strength, gloss requirements and test methods (see 5:1, 6:3, 6:8 and 6:11);

c) The smoothness requirements and test methods are deleted (see 4:1 and 5:10 of the:2008 edition);

d) Delete "the thickness should be consistent", "there should be no delamination without external force" and "the ends of roll-coated boxboard" in the appearance quality: The surface should be flat, and the jagged or concave and convex surfaces formed should not exceed the requirements of 5mm (see 4:3:1, 4:3:2 and 4:3:6 of the:2008 edition);

e) The calculation formula of banner quantitative difference is deleted (see 5:4 of the:2008

edition);

f) The test conditions for printing surface roughness have been changed (see 6:10, 5:11 of the:2008 edition);

g) Changed the test method for printing surface strength (see 6:13, 5:13 of the:2008 edition);

h) The factory inspection items have been changed (see 7:4, 6:4 of the:2008 edition);

1 Scope

GB/T 10335.5-2023 is the Chinese national standard on coated paper and board - part 5: coated linerboard, 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 28 December 2023 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 July 2024. Classification: ICS 85.060, CCS Y31. 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 document specifies the requirements, inspection rules and marking, packaging, transportation and storage of coated boxboards, describes the corresponding test methods, and provides information about the classification: This document is applicable to coated box paper made of single-sided coating, which is mainly made of bleached wood pulp as the top layer and unbleached kraft wood pulp as the bottom layer: Production, inspection and sales of boards:

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text: Among them, the dated quotations For undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to this document:

GB/T 450 Collection of paper and cardboard samples and measurement of longitudinal, transverse, front and back sides of the samples GB/T 451:

1 Determination of dimensions and deflection of paper and cardboard GB/T 451:

2 Paper and cardboard Part 2: Quantitative determination GB/T 451:

3 Determination of thickness of paper and cardboard

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

GB/T 462 Determination of moisture content of paper, cardboard and pulp analysis samples

GB/T 1539 Determination of bursting strength of cardboard

GB/T 1540 Determination of water absorption of paper and cardboard - Cobb method

GB/T 1541 Determination of dustiness of paper and cardboard GB/T 2679:

8 Determination of ring crush strength of paper and cardboard GB/T 2828:

1 Enumeration sampling inspection procedures Part 1: Batch-by-batch inspection sampling plan retrieved by acceptance quality limit (AQL)

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

GB/T 7975 Determination of color of paper and cardboard (diffuse reflectance method)

GB/T 8941 Determination of specular gloss of paper and cardboard

GB/T 10342 Paper packaging and marking

GB/T 10739 Standard atmospheric conditions for handling and testing of paper, paperboard and pulp samples

GB/T 12032 Preparation of gloss prints for paper and cardboard printing

GB/T 12911 Determination of ink absorbency of paper and paperboard