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

GB/T 26460-2026

Replacing GB/T 2678.4-1994, GB/T 26460-2011

Pulps and paper - Determination of zero-span tensile strength

纸浆和纸 零距抗张强度的测定

(English Translation)

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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 supersedes GB/T 26460-2011 "Determination of zero-pitch tensile strength of pulp (dry or wet method)" and GB/T 2678.4-1994 "Determination of Zero-Pitch Tensile Strength of Pulp and Paper". This document is based on GB/T 26460-2011, and integrates GB/T 2678.4-the content of 1994.Compared with GB/T 26460-2011, apart from structural adjustments and editorial changes, the main technical changes are as follows.

- a) The scope has been changed (see Chapter 1, Chapter 1 of the 2011 edition);
- b) The principle has been changed (see Chapter 4, Chapter 4 of the 2011 edition);
- c) The sampling method has been changed (see Chapter 6, 6.1 in the 2011 edition);
- d) The preparation of samples in dry or rewetted states has been modified (see 7.1.3, 6.4 in the 2011 edition);
- e) The cutting of wet pulp samples has been improved (see 7.1.5.5);
- f) The preparation of paper samples has been added (see 7.2);
- g) The determination of quantification has been changed (see 8.3, 7.2.3 of the 2011 edition);
- h) The results reporting for paper samples and the calculation of the standard deviation of zero-pitch tensile strength have been revised (see 9.1 and 9.2, 8.1 in the 2011 edition). and 8.2);
- i) The test report was amended (see Chapter 11, Chapter 10 of the 2011 edition).

This document is modified to adopt ISO 15361:2000 "Determination of zero-pitch tensile strength of pulp (dry or wet method)".

This document has undergone significant structural adjustments compared to ISO 15361:2000. A table comparing the structural numbering changes between the two documents is provided.

See Appendix A.

The technical differences between this document and ISO 15361:2000, and the reasons therefor, are as follows.

- a) The scope has been changed (see Chapter 1) to suit my country's technological conditions;
- b) Modify ISO 1924-2 to this document (see 3.1) to adapt to my country's technical conditions;
- c) The principles have been modified (see Chapter 4 of ISO 15361:2000) to conform to the scope of the integrated revision;
- d) ISO 5269-1 (see 5.3, 7.1.3, 7.1.5.1 and 7.1.5.2) has been replaced with the normatively referenced GB/T 24324 to suit my needs.

National technical conditions;

- e) ISO 5269-2 (see 5.3, 7.1.3, 7.1.5.1 and 7.1.5.2) has been replaced with the normatively referenced GB/T 24326 to suit my needs.

National technical conditions;

- f) ISO 536 (see 5.9 and 8.3) has been replaced with the normatively referenced GB/T 451.2 to adapt to my country's technical conditions;
- g) ISO 5263-1 (see 5.10 and 7.1.2) has been replaced with the normatively referenced GB/T 24327 to adapt to my country's technical conditions;
- h) ISO 5263-2 (see 5.10 and 7.1.2) has been replaced with the normatively referenced GB/T 29285 to adapt to my country's technical conditions;
- i) ISO 5264-1 (see 5.11 and 7.1.2) has been replaced with the normatively referenced GB/T 24325 to adapt to my country's technical conditions;
- j) ISO 5264-2 (see 5.11 and 7.1.2) has been replaced with the normatively referenced GB/T 29287 to adapt to my country's technical conditions;
- k) The sampling procedure was changed (see Chapter 6, ISO 15361:2000) to conform to the scope of the integrated revision;
- l) The normative reference document GB/T 450 (see Chapter 6) has been added to adapt to my country's technical conditions;
- m) ISO 7213 (see Chapter 6) has been replaced with the normatively referenced GB/T 740

to adapt to my country's technical conditions;

n) ISO 187 (see 7.1.3 and 7.2.2) has been replaced with the normatively referenced GB/T 10739 to adapt to my country's technical conditions;

o) ISO 287 (see 7.1.4.2) has been replaced with the normatively referenced GB/T 462 to adapt to my country's technical conditions;

p) The cutting of wet pulp samples has been improved (see 7.1.5.5) to adapt to my country's technical conditions;

q) The preparation of paper samples has been added (see 7.2) to adapt to my country's technical conditions;

r) The description of determining laboratory paper basis weight according to ISO 536 (see 7.3 of ISO 15361:2000) has been deleted to adapt to Chinese technical standards.

condition;

s) The content of the quantitative determination has been modified (see 8.3, 8.2.3 of ISO 15361:2000) to adapt to my country's technical conditions;

t) The description of testing for foreign reference materials (see 8.3 of ISO 15361:2000) has been deleted to adapt to my country's technical conditions;

u) A description of the paper samples in the results report (see 9.1) has been added to comply with the standard range requirements;

v) The test report (see Chapter 11) was revised to adapt to my country's technical conditions.

The following editorial changes have been made to this document.

a) The standard title has been revised to "Determination of Zero-Pitch Tensile Strength of Pulp and Paper";

b) The note in 3.4 has been deleted.

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed by the China National Light Industry Council.

This document is under the jurisdiction of the National Technical Committee on Standardization of Paper Industry (SAC/TC141).

1 Scope

This document describes the method for determining the zero-pitch tensile strength of pulp and paper.

This document applies to the determination of zero-pitch tensile strength in all pulps and paper.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies.

This document.

GB/T 450 Paper and paperboard specimen collection and determination of longitudinal and transverse directions, front and back sides of specimens (GB/T 450-2008, ISO 186.

2002, MOD)

GB/T 451.2 Paper and paperboard - Part 2: Determination of basis weight (GB/T 451.2-2023, ISO 536:2019, MOD) GB/T 462 Determination of moisture content in analytical samples of paper, paperboard and pulp (GB/T 462-2023, ISO 287:2017, ISO 638-1.

2022, ISO 628-2:2022, MOD) GB/T 740 Sampling of pulp specimens (GB/T 740-2003, ISO 7213:1991, IDT) GB/T 10739 Standard atmospheric conditions for the treatment and testing of paper, paperboard and pulp specimens (GB/T 10739-2023, ISO 187.

2022, MOD)

GB/T 24324 Preparation of laboratory paper for physical testing of pulp - Conventional sheet forming method (GB/T 24324-2009) ISO 5269-1:2005, MOD) GB/T 24325 Laboratory pulping - Valley beater method (GB/T 24325-2009, ISO 5264-1) 1979, MOD) GB/T 24326 Preparation of laboratory paper for physical testing of pulp - Rapid Kaiser process (GB/T 26326-2009, ISO) 5269-2:2004, MOD) GB/T 24327 Laboratory wet dissociation of pulp - Chemical pulp dissociation (GB/T 24327-2009, ISO 5263-1:2004, MOD) GB/T 29285 Pulp - Laboratory wet dissociation - Mechanical pulp dissociation (GB/T 29285-2012, ISO 5263-2:2004, ISO 5263-2:2004) 5263-3:2004, MOD) GB/T 29287 Pulp Laboratory Beating (PFI) Method (GB/T 29287-2012, ISO 5264-2:2002, MOD)

3 Terms and Definitions

The following terms and definitions apply to this document.

Tensile strength

The maximum tension that a specimen per unit width can withstand before fracture under the conditions specified in this document.

zero-span