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

GB/T 22365-2008

Replacing GB/T 2679.15-1997; GB/T 2679.16-1997

**Paper and board -- Determination of printing surface strength --
Accelerating speed method**

纸和纸板印刷表面强度的测定

(English Translation)

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Foreword

This revised standard adopts ISO 3783. 1980 "Paper and board Determination of tensile properties of wool with IGT instrument acceleration method (electric)" (In English).

This standard and ISO 3783. 1980 of the main differences.

- Changing the name of the standard;
- Deleted introduction;
- Deleted 6.1,6.2,11,12.2 of note;
- Modify the scope (Chapter 1 of this edition);
- Modify the normative references (first edition chapter 2);
- Modify the terms and definitions (Chapter 3 of this edition);
- Modification and increased the instrument's content (edition 5.2);
- Modify the sample preparation (edition 6.3);
- Instrument will be ready to be incorporated into the test procedure (Excerpts 7.1.1 and 7.2.1);
- Modified test procedure (Chapter 7 of this edition);
- Increased Method B. IGT tester (pendulum) (edition 7.2);
- Increase the result processing (Chapter 10 of this edition).

This standard is the "measurement (electric acceleration method) Paper and cardboard printing surface strength" of the GB/T 2679.15-1997, GB/T 2679.16-1997 "Paper and cardboard printing surface strength (pendulum and spring acceleration method)" integration amendment This standard replaces GB/T 2679.15-1997 and GB/T 2679.16-1997.

This standard and GB/T 2679.15-1997, GB/T 2679.16-1997 compared to the main changes are as follows.

- Modify the standard name;
- Modify the normative references;
- Modify the terms and definitions;
- Revised test procedure;
- Increasing the processing result.

This standard Annex A, Annex B is normative appendix, Appendix C, Appendix D is an informative annex.

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. Product Quality Supervision and Inspection Institute of Henan Province, China Pulp and Paper Research Institute.

1 Scope

This standard specifies the method for determination of paper and cardboard printing surface strength.

This standard applies to all kinds of printing paper and paperboard simulation tests.

2 Normative references

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

1990)

QB1020 paper printability with standard ink

3 Terms and Definitions

The following terms and definitions apply to this standard.

Paper layer break in the production or the printing process, when the external force is applied to the paper surface is larger than paper or paperboard cohesion occurred Bad phenomenon.

Note: For coated paper, such damage can lead to particles or fibers coated whole or in part from the paper off the surface "bubble" or "fluff", uncoated paper Failure modes are generally stripped of fiber bundles.

Start printing surface of the printing paper fluff printing speed.

A continuous increase in the speed of the printing paper, paper speed until the beginning of fluff when, in m/s Fig.

Principle 4

At constant pressure by a standard ink printing sample, while the printing speed is gradually increased to the minimum speed of the paper occurs when the measured paper fluff Printing surface strength of the sheets, the higher the speed, indicating that the printing surface strength of the paper as possible.

5.1 IGT print tester (electric)

Tester consists of two separate parts. one is the distribution of ink systems can be given a printed layer disc known (given) standard oil thickness Ink; the other is the electric transmission printing equipment, printing pressure by the variable spring load control.