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

**GB/T 22906.2-2008**

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**Testing of cores -- Part 2: Conditioning of test samples**

纸芯的测定 第2部分：试样的温湿处理

**(English Translation)**

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### Foreword

GB/T 22906 "paper core measurement" is divided into nine sections.

- Part 1. sample taken;
- Part 2. temperature and humidity of the treated samples;
- Part 3. Determination of moisture content (oven drying method);
- Part 4. Determination of dimensions;
- Part 5. Determination of characteristics of concentric rotation;
- Part 6. Determination of flexural strength (three-point method);
- Part 7. Determination of modulus of elasticity (three-point method);
- Part 8. Determination of natural frequency and the elastic modulus (experimental modal analysis);
- Part 9. Determination of flat crush strength.

This section GB/T Part of 222,906.

The partial modification of the use of ISO 11093-2:1994 "Paper and board Determination Part 2. temperature and humidity of the treated samples." this part of ISO 11093-2. compared to 1994, the main differences are as follows.

--- International Standard ISO document standard will be referenced in normative references converted to its corresponding national standard, GB/T 10739-2002 paper,

paperboard and pulp sample processing and testing standard atmospheric conditions (eqv ISO 187:1990);

--- According to national circumstances, this section only provides a standard atmospheric conditions. temperature  $(23 \pm 1) ^\circ\text{C}$ , relative humidity  $(50 \pm 2)\%$ , deleted Suitable for tropical countries standard atmospheric conditions temperature  $(27 \pm 1) ^\circ\text{C}$ , relative humidity  $(65 \pm 2)\%$ .

This part is proposed by the China National Light Industry Council.

This part of the National Standardization Technical Committee under the jurisdiction of the paper industry.

This section drafted by. China Pulp and Paper Research Institute, China Paper Association Professional Committee of Standardization.

## 1 Scope

This section GB/T 22906 specifies the standard atmospheric conditions Zhixin test used.

This section applies to a variety of the core.

## 2 Normative references

The following documents contain provisions which, through reference GB/T 22906 and become part of this Part of this provision. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

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

## 3 Terms and Definitions

The following terms and definitions apply to this part of the GB/T 22906 of.

The sample with the predetermined temperature, water balance reaches a predetermined process between the relative humidity of the atmosphere.

**NOTE:** Processing temperature and humidity to ensure that the sample paper core has a stable physical state. In certain circumstances, the processing time required to extend the sample temperature and humidity, until Physical state required so far.

## 4 Standard atmospheric conditions

Standard atmospheric conditions when the sample paper core measurement. temperature  $(23 \pm 1) ^\circ\text{C}$ , relative humidity  $(50 \pm 2)\%$ .

## 5 Apparatus

Constant temperature and humidity chamber. automatic air conditioning system able to provide a standard temperature and humidity chamber temperature and relative humidity, atmospheric conditions, but also in Maintaining constant temperature and humidity associated with the indoor atmospheric point consistent conditions, indoor air circulation obtained. Atmospheric conditions, temperature and humidity chamber should Verified in accordance with GB/T 10739-2002 specified in Appendix A.

### 6.1 Sample pre-drying

In order to quickly achieve a balance between the sample water and atmospheric conditions, the sample should be placed in a relative humidity of 20% to 35%, temperature  $40 ^\circ\text{C} \pm 2 ^\circ\text{C}$  atmospheric conditions in pre-drying 48h.

### 6.2 Test

The sample was placed in the gas stream can be freely accessible to their respective surface environment, until it reaches a balance between the sample water and the atmospheric conditions.

After weighing twice the current difference between the sample weighing not more than 0.1% of the sample mass, it is considered to be reached between the sample and the atmospheric conditions balance.

## 7 Test report

The test report shall include the following items.