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

GB/T 1310.2-2009

Replacing GB/T 1309-1987

**Varnished fabrics for electrical purposes -- Part 2: Methods of
test**

电气用浸渍织物 第2部分：试验方法

(English Translation)

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Foreword

GB/T 1310 "Electrical impregnated fabric" consists of three parts.

--- Part 1. Definitions and general requirements;

--- Part 2. Test methods;

--- Part 3. Material specifications.

This section GB/T 1310 Part 2.

This section identical with IEC 60394-2. 1972 "Electrical impregnated fabrics - Part 2. Test methods" (in English).

For ease of use, this partial deletion of the IEC standard foreword, introduction to the IEC content into this part of the introduction.

This Part replaces GB/T 1309-1987 "Test methods for electrical insulation cloth." this part of GB/T 1309-1987 compared to considerably revised in the edit format.

This part is proposed by the China Electrical Equipment Industrial Association.

This part of the National Standardization Technical Committee of the insulating material (SAC/TC51) centralized.

This section is drafted. Guilin Institute of Electrical Science.

1 Scope

GB/T 1310 This section specifies the test methods for electrical impregnated fabric.

This section applies to electrical impregnated fabric.

2 Normative references

The following documents contain provisions which, through reference to GB/T 1310 to the present, constitute provisions of this section. 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 1408.1-2006 electrical insulating materials strength test methods - Part 1. Tests at power frequencies (IEC 60243-2:1998, IDT)

3 General Description, test

3.1

Select a sample of bulk material representative.

3.2

specimens should be cut in $(23 \pm 2) ^\circ\text{C}$ and a relative humidity of $(50 \pm 5)\%$ under the conditions treated 24h. If the tests are not under the standard atmosphere into Line, the test shall be completed within 5min after removing the standard atmosphere.

4.1 Test Instrument

4.1.1

The outer spiral micrometer, measuring surface diameter of 6mm ~ 8mm. Surface roughness measurement should be less than 0.001mm, between the two surfaces no parallel should be less than 0.003mm, pitch of 0.5mm, 0.01mm 50 having indexing, so that reading can be estimated to 0.002mm, Acting on the sample pressure 10N/cm² ~ 20N/cm².

4.1.2

Deadweight Dial micrometer having two overlapping concentric circles and polished surface, its roughness less than 0.001, uneven surfaces between the two Line of less than 0.003, the plane should have a diameter of 6mm ~ 8mm, flat plane should be greater than on a plane perpendicular to the two planes may Moving on the axis. Scale table disk can be directly read 0.002mm. Micrometer frame should be sturdy, when applied to the dial shell 15N force and when the static weight or the presser foot shaft is not in contact with the micrometer dial the displayed frame deformation should be less than 0.002mm. effect Pressure on the specimen should be 10N/cm².

4.1.3

the amount of regulatory instrument should be used to verify accurate to within $\pm 0.001\text{mm}$ nominal dimensions of the. Difference indicates the thickness of the gauge of the instrument should be not more than 0.005mm . In case of dispute, you should use static weight micrometer.

4.2 Sample

4.2.1

the whole material Along the transverse width of the web cut width 25mm , length equal to the width of a web specimen.

4.2.2 Cut material

Cut from a sample volume of 1m length.

4.3 Program

The thickness of the material was measured along the length direction of the sample measuring nine, each dot pitch is not less than 75mm . Not at all joints and GB/T 1310.2-2009/IEC 60394-2. 1972