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

GB/T 7113.2-2014

Replacing GB/T 7113.2-2005

Flexible insulating sleeving -- Part 2: Methods of test

绝缘软管 第2部分：试验方法

(English Translation)

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Foreword

GB/T 7113 "insulation hose" is divided into the following sections.

--- Part 1. Definitions and general requirements;

--- Part 2. Test methods;

--- Part 3. PVC glass fiber braided hose;

--- Part 4. acrylic glass fiber braided hose;

--- Part 5. Silicone rubber fiberglass braided hose;

--- Part 6. Polyurethane (PUR) glass fiber braided hose;

This section GB/T 7113 Part 2.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This Part replaces GB/T 7113.2-2005 "insulation hose test methods", compared with the GB/T 7113.2-2005 major changes as follows.

--- Standard "range" is further described;

--- Standard "Normative references" cited standards have been updated;

--- Added "long-term heat resistance (3000h)", "dynamic shear at room temperature", "high-temperature dynamic shear", "thermal shock and thermal aging dynamic Cut ", " for aluminum rotary stripping ", " seal ", " rear double thermal substrates bonded T-peel " chapters (see Chapter 38, Chapter 51 ~ Chapter 57).

This section uses redrafted law revision using IEC 60684-2:2003 "Part 2 insulated hose. test method" (version 2.1) and IEC 60684-2A2Ed2.0 (2005).

This part of IEC 60684-2:2003 and IEC 60684-2A2Ed2.0 (2005) made the following editorial changes.

--- The Chapter 38 and Chapter 51 write merge, change the title of "hot durability/long-term heat resistance (3000h)";

--- To Chapter 27, "flame spread test" test mode piano wire diameter instead form preparation;

--- Increased header list poison composition for Chapter 45 "Toxic Index"; the Cf values listed in the table instead; by a gas concentration unit "Ppm" to "µg/L" indicates;

--- All icon placed in the final presentation of the text to each icon is placed after the corresponding sections choreography.

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. Hangzhou Xiaoshan Insulation Material Factory, Guilin Electric Apparatus Research Institute Co., Ltd. Changshu Jiangnan Glass Fiber Co., the company.

1 Scope

GB/T 7113 provisions of this part of the test method comprises a heat shrinkable tube insulation, including the hose. Such hoses are mainly used for electric Insulated conductor portion and the joints of gas equipment.

This section applies to insulation hose.

Note: The purpose of the test is prescribed to control the quality of the hose, but dipping these tests do not necessarily fully applicable to hoses, plastic bag or other specific process should use. If necessary, test methods also need to add a suitable impregnation or compatibility test to suit a particular environment.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 528-2009 vulcanized rubber or thermoplastic rubber tensile stress strain properties (ISO 37:2005, IDT) GB/T 1034-2008 Plastics Determination of water absorption (ISO 62:2008, IDT) GB/T 1408.1-2006 electrical insulating materials strength test methods - Part 1. Tests at power frequencies (IEC 60243-1:1998, IDT) GB/T 1409-2006 Measurement of electrical insulating materials at power, audio and high-frequency (including meter wavelengths included) and dielectric permittivity Loss Factor recommended method (IEC 60250. 1969, MOD) GB/T 1410-2006 volume resistivity of solid electrical insulating materials and surface resistivity test methods (IEC 60093. 1980, IDT) GB/T 2406.2-2009 Plastics - Determination of burning behavior by oxygen index - Part 2 Method. room

temperature test (ISO 4589-2:1996, IDT) GB/T 2423.28-2005 Environmental testing for electric and electronic products Part 2. Test methods - Test T. Soldering (IEC 60068-2-20. 1979, IDT) Test methods for electrical insulating materials of ionic impurities GB/T 7196-2012 was measured by liquid extraction (IEC 60589. 1977, IDT) GB/T 10582-2008 Determination of electrical insulating materials - Test methods due to electrolytic corrosion caused by insulating materials (IEC 60426.

2007, IDT)

Aging procedures and evaluation of test results. GB/T 11026.1-2003 heat resistance, electrical insulating materials - Part 1 (IEC 60216-1:2001, IDT) GB/T 11026.2-2012 heat resistance, electrical insulating materials - Part 2. Test selection criteria (IEC 60216-2.

2005, IDT)

GB/T 11026.3-2006 heat resistance, electrical insulating materials - Part 3. Calculation of thermal parameters of procedures (IEC 60216-3:2002, IDT) GB/T 11026.4-2012 heat resistance, electrical insulating materials - Part 4. Ageing ovens - Single - chamber ovens (IEC 60216-4-1.

2006, IDT)

GB/T 11026.5-2010 heat resistance, electrical insulating materials - Part 5. aging oven temperature of 300 °C Precision oven (IEC 60216-4-2:2000, IDT)