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

GB/T 29627.2-2013

**Aramid pressboard for electrical purposes -- Part 2: Methods of
test**

电气用聚芳酰胺纤维纸板 第2部分：试验方法

(English Translation)

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Foreword

GB/T 29627 "for electrical aromatic polyamide fiber carton" contains the following sections.

- Part 1. Definitions, designations and general requirements;
- Part 2. Test methods;
- Part 3. Specifications for individual materials.

This section GB/T Part of 229,627.

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

This section uses redrafted law revision using IEC 61629-2:1996 "Electrical use aromatic polyamide fiber board - Part 2. Test side law".

This part of IEC 61629-2:1996 compared to the main technical differences are as follows.

- Because of IEC 61629-2:1996 Zhi brief reference 60641-2 IEC . 1979 "Part 2 electrical crimp cardboard and thin cardboard no test method ", not as a related note, taking into account the aromatic polyamide fiber carton board and cellulose materials and uses. sub with, full reference to foreign advanced standards on the basis of this section has been rewritten;
- The referenced IEC 60641-2:2004, representing an increase of flexural strength and flexural modulus frequency dielectric loss factor and relative permittivity Pollution properties, surface resistivity and low volume resistivity, dielectric liquid, Shore hardness, Izod impact strength, 1.2/50μs pulse OKI strength, temperature index (TI), and thermal conductivity detection method oxygen index, and so the appropriate test method criteria for inclusion Normative references to the chapter;
- Remove the IEC 60641-2:2004 in the tear strength and edge tear strength, interlayer adhesion strength, pH and water extraction liquid metal Particle detection performance test method, the reason is not applicable to the above properties aramide fiber cardboard.

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 Electric Apparatus Research Institute, Yantai, China Roth Special Paper Co., Ltd., SRO Group (China) Limited the company, the Shenzhen Composite Materials Co., Ltd. Haotian Longbang.

1 Scope

This section GB/T 29627 specifies the test methods for electrical purposes aramide fiber board.

This section applies to electrical poly aramid fibers insulation with high-density, medium-density and low-density cardboard.

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 /1040.2-2006 Plastics Determination of tensile properties T - Part 2. Test plastics molding and extrusion conditions (ISO 527-2:1993, 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 1408.3-2007 electrical insulating materials strength test methods - Part 3. 1.2/50μs pulse test additional requirements (IEC 60243-3:2001, IDT) GB/T 1409-2006 Measurement of electrical insulating materials at power, audio, high-frequency (including meter wavelengths included) of the permittivity and dielectric loss Consumption factor recommended method (IEC 60250. 1969, MOD) GB/T 1410-2006 solid insulating material volume resistivity and surface resistivity test methods (IEC 60093. 1980, IDT) Determination of strength (ISO 180:2000, IDT) GB/T 1843-2008 plastic Izod impact 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 2411-2008 Plastics and ebonite - Determination of indentation hardness using a durometer (Shore hardness) (ISO 868:2003, IDT) GB/T 5654-2007 Measurement of liquid insulating material of relative permittivity, dielectric dissipation factor and dc resistivity (IEC 60247.

2004, IDT)

GB/T 9341-2008 Plastics - Determination of flexural properties (ISO 178:2001, IDT) Aging procedures and evaluation of test results (IEC 60216-. GB/T 11026.1-2003 heat resistance, electrical insulating materials - Part 1 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 12914-2008 Paper and board - Determination of tensile strength (ISO 1924-1:1992 and ISO 1924-2:1994, MOD) GB/T 20628.2-2006 cellulosic papers for electrical purposes - Part 2. Test methods (IEC 60554-2:2001, MOD) Performance test method GB/T 29313-2012

thermally conductive electrically insulating material GB/T 29627.1-2013 Electric with
aramide fiber board - Part 1. Definitions, designations and general requirements (IEC
61629-1:1996, IDT) IEC 60296. 1982 transformers and switchgear unused mineral
insulating oils for use (Fluidsforelectrotechnical
applicationsUnusedmineralinsulatingoilsfortransformersandswitchgear)