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

GB/T 23311-2009

Aromatic polyimide tape wrapped round copper wire, class 240

240级芳族聚酰亚胺薄膜绕包铜圆线

(English Translation)

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3.1 Terms and Definitions

Foreword

This is equivalent to using the standard IEC 60317-43:1997 "Product Standard - Part 43 of winding wires. 240 aromatic polyimide thin Film wrapped round copper wire "version 1.0 (in English).

For ease of use, this standard made the following editorial changes.

--- Remove the IEC 60317-43:1997 Foreword and Introduction;

"," --- With a decimal point instead of a comma as the decimal point, "";

--- An increase of 3.3 "look and feel" and Chapter 23, "pinhole";

--- Canceled Chapter 10 Softening the specification limits.

This is equivalent to using the standard IEC 60317-43:1997 Fixed the error editorial reads as follows.

--- Chapter 18 of the "hot or solvent bonding" with "thermal bonding." Appendix A of this standard and Appendix B is an informative annex.

The standard proposed by China Electrical Equipment Industrial Association.

This standard by the national wire and cable Standardization Technical Committee (SAC/TC213) centralized.

1 Scope

This standard specifies the 240 aromatic polyimide tape wrapped round copper wire, wherein the insulation composed of one or two layers of polyimide film Band components.

240 represents the thermal level, which requires a minimum temperature index of 240, a heat shock temperature of at least 260 °C.

Note: Some countries, such as Canada, Russia and the United States, the product is 220.

Film with single or double coated with a suitable adhesive such as FEP. After the film tape around the package is capable of forming a continuous, bonded by sintering Sheath.

Special requirements can be specified in the contract.

Corresponding to the temperature index temperature in Celsius is not recommended winding wire temperature, because it depends on the type of equipment used include Many factors within.

This standard applies to conductor nominal diameter range.

--- Min. 1.600mm; maximum. 5.000mm.

Table 1 nominal diameter of the conductor.

When referring to the products covered by this standard, should be given the following.

--- GB number and (or) IEC number;

--- Conductor diameter;

---level.

Example. GB/T 23311-2009 2.000mm A2 level or IEC 60317-43 2.000mm grade A2

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 321-2005 priority number and priority number system (ISO 3. 1973, IDT) GB/T 4074.1-2008 Winding wires test methods - Part 1. General requirements (IEC 60851-1:1996, IDT) GB/T 4074.2-2008 Winding wires test methods - Part 2. Measure (IEC 60851-2:1997, IDT) GB/T 4074.3-2008 Winding wires test methods - Part 3. Mechanical properties (IEC 60851-3:1997, IDT) GB/T 4074.4-2008 Winding wires test methods - Part 4. Chemical properties (IEC 60851-4:2005, IDT) GB/T 4074.5-2008 Winding wires - Test methods - Part 5. Electrical properties (IEC 60851-5:2004, IDT) GB/T 4074.6-2008 Winding wires - Test methods - Part 6. Thermal properties (IEC 60851-6:1996, IDT) GB/T 4074.7-2009 Winding wires - Test methods - Part 7. Test methods for temperature index of enamelled winding wires Determination (IEC 60172. 1987, IDT) Part 1 GB/T 6109.1-2008 enamelled round winding wire. General requirements (IEC 60317-0-1:2005, IDT)

3.1 Terms and Definitions

The following terms and definitions apply to this standard.

GB/T 23311-2009/IEC 60317-43:1997