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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 13542.1-2009

Replacing GB/T 13542-1992

Film for electrical insulation -- Part 1: Definitions and general requirements

电气绝缘用薄膜 第1部分：定义和一般要求

(English Translation)

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Foreword

GB/T 13542 "Film for electrical insulation" is divided into the following sections.

--- Part 1. Definitions and general requirements;

--- Part 2. Test methods;

--- Part 3. biaxially oriented polypropylene film capacitors;

--- Part 4. Polyester film;

This section GB/T 13542 Part 1.

The partial modification using IEC 60674-1. 1980 "plastic films for electrical purposes - Part 1. Definitions and general requirements" (in English).

This part of IEC 60674-1 and the main technical differences are as follows.

1) A "Normative References" chapter;

2) A "inspection rules" chapter.

This Part replaces GB/T 13542-1992 "General requirements for plastic films for electrical purposes." the main difference compared to part with the GB/T 13542-1992 as follows.

1) The "standard reference" to "normative references";

2) the definition of 3.1.1 "skew" to "Offset/arc." 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 Institute of Science, Technology Group Co., Ltd East

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wood.

1 Scope

This section GB/T 13542 specifies the definition of electrical insulation film, the general requirements, size, inspection rules and signs, packaging, transportation Transport and storage.

This section applies to electrical insulation film.

2 Normative references

The following documents contain provisions which, through reference GB/T 13542 in this section 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.

Test Method. GB/T 13542.2-2009 Electrical insulation film 2 part article (IEC 60674-2. 1988, MOD)

3 Terms and Definitions

The following terms and definitions apply to this section.

Evaluation of the film wound into a roll for the film deformation, can be offset/arc and two depressions measure.

3.1.1

When the film opened flat, its edge is not a straight line (offset or curved).

3.1.2

When the period of the film consists of two parallel horizontal position of the roller support and withstand a certain tension of the situation, some of which would be lower than the total film the horizontal plane.

Since the film roll wound does not close, the film roll part for axial movement called off the rest of the cylinder occurs.

4.1 Appearance

Film in rolls, the film surface should be flat and smooth, not wrinkled, torn, particles, bubbles, pinholes and foreign impurities.

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4.2 Film roll

The outer diameter of the film roll negotiated by both parties, film should be substantially cylindrical. The film should be tightly wound on the die to prevent the transport and later when normal use off cylinder.

Unwinding film roll should be easy, there should be not conducive to unwinding and thick application side. Unless otherwise specified in the product standard, otherwise, the end of the film roll Surface should be flat and perpendicular to the die; the end face of any one of its main plane should not exceed ± 2mm.

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