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

GB/T 5019.11-2009

**Specification for insulating materials based on mica -- Part 11:
Moulding micanite**

以云母为基的绝缘材料 第11部分：塑型云母板

(English Translation)

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Foreword

GB/T 5019 "with mica-based insulating materials" is divided into the following sections.

- Part 1. Definitions and general requirements;
- Part 2. Test methods;
- Part 3. Commutator separators and materials;
- Part 4. Mica paper;
- Part 5. electric equipment mica plate;
- Part 6. Polyester film reinforced B stage epoxy resin binder;
- Part 7. vacuum pressure impregnation (VPI) film reinforced with glass cloth and epoxy resin binder;
- Part 8. Glass fabric reinforcement B stage epoxy resin binder;
- Part 9. single wire wrapped with epoxy polyester film mica;
- Part 10. fire-resistant safety cables mica;
- Part 11. plastic mica plate.

This section GB/T 5019 Part 11.

The partial modification of the use of IEC 60371-3-9:1995 "with mica-based insulating materials - Part 3. Specifications for individual materials 9 Articles. plastic mica plate "and the first revision (2007).

This section according to IEC 60371-3-9. (2007 including 1st amendment) redrafted 1995. Taking into account China's national conditions, in the IEC standard Time, made some changes in this section. About the technical differences have been identified in a single vertical line which they are involved with the provisions margin.

This part of IEC 60371-3-9:1995 (including 2007 1st amendment) the differences are as follows.

- 1) Remove the IEC 60371-3-9:1995 Foreword and Introduction;
- 2) consider the condition of our country does not use IEC 60371-3-9:1995 Type of product naming;
- 3) increase the "plasticity" and "Electrical strength" performance requirements;
- 4) A "inspection rules" chapter.

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 part mainly drafted by. Guilin Institute of Electrical Science.

Drafters of this section. Wang Xianfeng.

This section first formulated.

Mica-based insulating materials Part 11. plastic mica plate

1 Scope

This section GB/T 5019 provisions by stripping sheet mica, with or without reinforcement materials, bonded together with a suitable adhesive for electrical insulation Plastic mica plate performance requirements, test methods, inspection rules, marking, packaging, transportation and storage.

This section applies to the stripping sheet mica, bonded together with a suitable adhesive, when the normally rigid sheet material, in certain Under the temperature condition made plastic-type plastic electrical insulation mica plate. Its nominal thickness from 0.10mm ~ 7mm, available in sheets or rolls supply.

2 Normative references

The following documents contain provisions which, through reference to GB/T 5019 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 5019.1-2009 mica-based insulating materials - Part 1. Definitions and general requirements (IEC 60371-1:2003, IDT) GB/T 5019.2-2009 mica-based insulating materials -

Part 2. Test methods (IEC 60371-2:2004, MOD) IEC 60554-3-2. 1983 cellulosic papers for electrical purposes - Part 3. Specifications for individual materials 2. Capacitor paper ISO 6386. 1981 Muscovite flaking grading and classification appearance

3 Product Categories

This section is divided according to the heat resistance of the product model, product model are shown in Table 1.

Table 1 Model

Model range Adhesives 5230 alkyd paint adhesive 5231 shellac adhesive paint 5235 alkyd paint adhesive 5236 shellac adhesive paint

5240 Tong Ma epoxy adhesive paint Suitable for working temperature below 155 °C and various electrical appliances with insulated pipes, Central and other parts.

5250 silicone adhesive paint Suitable for working temperature 180 °C for various electrical appliances with insulated pipes, rings and He parts.

4.1.1 Stripping mica

Stripping Mica shall comply with ISO 6386. 1981 requirements.

4.1.2 Glass cloth

Typically, glass cloth should be continuous filament glass fibers made of E-glass, except otherwise agreed by both parties, should be woven glass cloth