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

GB/T 29627.3-2023

**Aramid pressboard for electrical purposes-Part 3:
Specifications for individual materials**

电气用聚芳酰胺纤维纸板 第3部分：单项材料规范

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Foreword

This document follows the rules of GB/T 1:1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents" Drafting:

This document is Part 3 of GB/T 29627 "Polyaramid Fiber Paperboard for Electrical Use": GB/T 29627 has released the following part:

- Part 1: Definition, name and general requirements;
- Part 2: Test methods;
- Part 3: Individual material specifications:

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Introduction

Electrical polyaramid fiber paperboard is widely used in the research and development, production, quality inspection, sales, acceptance and technical exchange of this series of products:

GB/T 29627 "Polyaramid Fiber Paperboard for Electrical Use" specifies the definition, general requirements and testing of polyaramid fiber paperboard for electrical use:

The methods and product standards for each individual material are planned to be composed of the following parts:

- Part 1: Definition, name and general requirements: The purpose is to determine the terms and definitions, general Require:
- Part 2: Test methods: The purpose is to determine the test method for polyaramid fiber paperboard for electrical applications:
- Part 3: Individual material specifications: The purpose is to determine the classification, nomenclature, requirements, and test methods of polyaramid fiber paperboard for electrical use:

laws, inspection rules, marking, packaging, transportation and storage:

Polyaramid fiber paperboard for electrical applications Part 3: Individual material specifications

1 Scope

This document specifies the classification and nomenclature, requirements, inspection rules, marking, packaging, transportation and storage of polyaramid fiber paperboard for electrical use, describing The corresponding test methods are described:

This document applies to the manufacture of polyaramid fiber paperboard, but does not apply to polyaramid fiber paperboard made by adhesive gluing:

2 Normative reference documents

GB/T 19264

GB/T 29627

GB/T 29627

3 Terms and definitions

There are no terms or definitions to be defined in this document:

4 Classification and naming

The single material of electrical aramid fiber paperboard currently mainly includes three models: APB-LD, APB-C and APB-HD:

According to the regulations of GB/T 29627:1-2013, the model naming of polyaramid fiber paperboard for electrical purposes is as shown in Table 1:

Table 1 Models of polyaramid fiber paperboard for electrical use Model Characteristics
Description Apparent density g/cm³ APB-LD low density 0.5~0.7 APB-C medium density
>0.7~1.0 APB-HD high density >1.0~1.2

5 Requirements

In addition to the general requirements specified in Chapter 4 of GB/T 29627:1-2013, polyaramid fiber paperboard for electrical purposes should also comply with Tables 2 and 3 specify the performance requirements for the corresponding models: Among them, the recommended thickness of medium density (APB-C type) cardboard is 1.0mm: