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

GB/T 33617-2025

Replacing GB/T 33617-2017

Polyimide staple fibre

聚酰亚胺短纤维

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document replaces GB/T 33617-2017 "Polyimide staple fibers". Compared with GB/T 33617-2017, except for the structural adjustment and In addition to logical changes, the main technical changes are as follows.

- Changed the scope (see Chapter 1, Chapter 1 of the 2017 edition);
- Deleted some terms and definitions (see 3.1, 3.2, 3.3 of the 2017 edition);
- Changed the technical requirements for linear density deviation rate, breaking strength, length deviation rate, overlong fiber rate, defect content, and dry heat shrinkage rate (See Table 1, Table 1 of the 2017 edition);
- Changed oxygen index, temperature of 5% thermal weight loss, heat-resistant breaking strength retention rate, acid-resistant breaking strength retention rate, and ultraviolet radiation resistance Technical requirements for breaking strength retention (see Table 2, 5.5~5.7, Table 2 of the 2017 edition);
- Deleted the technical requirements for moisture regain (see 5.4 of the 2017 edition);
- Added technical requirements for quality differences (see 5.8);
- Changed the length deviation rate, super long fiber rate, double long fiber content, dry heat shrinkage rate, oxygen index, temperature of 5% thermal weight loss, heat resistance Test methods for breaking strength retention, acid resistance breaking strength retention, and ultraviolet radiation resistance breaking strength retention (see 6.4, 6.7~6.9, 6.11, 6.4, 6.7~6.12 of the 2017 edition);
- Deleted the test method for moisture regain (see 6.14 of the 2017 edition);

- The inspection items have been changed (see 7.2.1, 7.2 of the 2017 edition).

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document is proposed and coordinated by the National Technical Committee on Standardization of Chemical Fibers (SAC/TC586).

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The previous versions of this document and the documents it replaces are as follows.

- First published in 2017 as GB/T 33617-2017;
- This is the first revision. Polyimide staple fiber

1 Scope

This document defines the terms and definitions of polyimide staple fibers, and specifies product identification, technical requirements, inspection rules, marking, packaging, transportation, etc.

The contents of transportation and storage are described, and the corresponding test methods are described.

This document is applicable to polyimide staple fibers with a nominal linear density of 0.50dtex to 7.00dtex. Other specifications of polyimide staple fibers For reference only.

2 Normative references

GB/T 4146

GB/T 6503

GB/T 6504-2017

GB/T 6529

GB/T 14334-2006

GB/T 14335

GB/T 14336-2008

GB/T 14337

GB/T 14338

GB/T 14339-2008

GB/T 37631

GB/T 43015

3 Terms and definitions

GB/T 4146 (all parts) and the following terms and definitions apply to this document.

3.1 Temperature at which the weight is lost by 5%

The temperature at which the sample loses 5% of its weight when thermogravimetric analysis is performed under the same conditions under programmed temperature and a certain atmosphere.

4 Product identification

4.1 Product specifications are expressed in nominal linear density (dtex) and nominal cut length (mm).

Example. The polyimide staple fiber with a nominal linear density of 1.67 dtex and a nominal cut length of 51 mm has a product specification of 1.67 dtex x 51 mm.