

ICS 83.080

CCS Y 28



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

GB/T 33796-2025

Replacing GB/T 33796-2017

General technical requirement of thermoplastic starch

热塑性淀粉通用技术要求

Issued on: March 28, 2025

Implemented on: October 1, 2025

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

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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 33796-2017 "General technical requirements for thermoplastic starch". Compared with GB/T 33796-2017, except for the structure In addition to adjustments and editorial changes, the main technical changes are as follows.

- a) The technical requirements for "Appearance" have been changed (see 4.1, 4.1 and Table 1 of the 2017 edition);
- b) The requirements and test methods for "biodegradability" have been changed (see 4.3 and 5.7, 4.3 and 5.7 of the 2017 edition);
- c) The test method for "starch content" has been deleted (see 5.8 of the 2017 edition);
- d) Added requirements for "biodegradability labeling" (see Chapter 7);
- e) The requirements for "storage period" have been changed (see 8.3, 8.3 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 was proposed and coordinated by the National Technical Committee for Standardization of Bio-based Materials and Degradable Products (SAC/TC380).

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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 33796-2017;
- This is the first revision.

1 Scope

This document defines the terms and definitions of thermoplastic starch, stipulates its technical requirements, inspection rules, marking, packaging, transportation and storage, and describes The corresponding test methods are described.

This document is applicable to the production of various natural starches as the main raw materials, which are obtained through physical modification and/or chemical modification.

Thermoplastic starch for plastic materials and products.

2 Normative references

GB/T 1033.1

GB/T 2547

GB/T 3682.2

GB/T 6284

GB/T 41010-2021

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Thermoplastic starch

Using natural starch as the main raw material, the thermoplastic processing A type of material.

4.1 Appearance

The color is uniform, without black particles, and the number of colored particles is $\leq 40/\text{kg}$.

4.2 Physical performance requirements

The physical property requirements of thermoplastic starch should comply with the requirements in Table 1.