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

GB/T 20077-2025

Replacing GB/T 20077-2006

One-trip pallet

一次性托盘

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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 20077-2006 "Disposable Pallets". Compared with GB/T 20077-2006, except for structural adjustments and editorial In addition to the modifications, the main technical changes are as follows.

- Added the terms and definitions of "disposable pallet", "rated load" and "test load" (see 3.1, 3.2 and 3.3);
- Deleted the requirements for structure and rated load (see 3.1 and 3.3 of the 2006 edition);
- Deleted the material requirements and added the classification of pallets (see Chapter 4, Chapter 4 of the 2006 edition);
- Changed the material and anti-slip requirements (see 5.1, 5.4, 5.1 of the 2006 edition), changed the size and tolerance requirements (see 5.3, 3.2 of the 2006 edition);
- Added the performance requirements for the fork lift test and stacking test (see Table 1), changed the maximum allowable deformation of the corner drop test (see Table 1 (2006 edition), the performance requirements for the roof deck bending test (see Table 1 of the 2006 edition) have been deleted;
- Deleted the pretreatment conditions column in Table 1 (see Table 1 of the 2006 edition);
- Changed the content of sample pretreatment (see 6.1, 2006 edition 6.1), plastic and composite pallets, paper-based pallets pretreatment Temperature and humidity conditions

(see Table 2, Table 2 of the 2006 edition);

- Added test methods for materials, dimensions and tolerances, and anti-slip (see 6.2, 6.4, 6.5);
- Changed the test load applied in the pressure test (see 6.6.1.4, 6.3.1.4 of the 2006 edition);
- Added the methods and schematic diagrams of fork lifting test and stacking test (see 6.7, 6.8);
- Deleted the method and schematic diagram of the roof deck bending test (see 6.4 and Figure 2 of the 2006 edition);
- Added the accuracy requirements of measuring tools for corner drop test (see 6.9.1);
- Added inspection rules (see Chapter 7);
- Changed the requirements for marking, transportation and storage (see 8.1, 8.3, 8.4, Chapter 7 of the 2006 edition);
- Added packaging requirements (see 8.2).

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 by the China Federation of Logistics and Purchasing.

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

- First issued in 2006 as GB/T 20077-2006;
- This is the first revision. Disposable trays

1 Scope

This document provides the classification of disposable pallets, specifies the requirements,

inspection rules, marking, packaging, transportation and storage, and describes the corresponding test Test method.

This document applies to the design, production, testing, use and management of disposable pallets.

2 Normative references

GB/T 2828.1

GB/T 2934

GB/T 3716

GB/T 4996-2025

GB/T 18354

3 Terms and Definitions

The terms and definitions defined in GB/T 3716, GB/T 4996-2025, GB/T 18354 and the following apply to this document.

3.1 one-trippalet

A pallet that is intended to be discarded after a single load cycle.

[Source. GB/T 3716-2023, 10.1, with modifications]

3.2 Rated load nominalload

The minimum safe load value under specific support conditions, regardless of the type of load (excluding concentrated loads).

Note 1."Specific support conditions" refers to the range of use conditions specified in 7.1 of GB/T 4995-2025.

Note 2.Rated load is used to compare the performance of different pallets and does not represent the actual payload of the pallet in use.

[Source. GB/T 3716-2023, 3.2, modified]

3.3 Test load testload

The total load of the load object, load plate or load box and the applied load.

[Source. GB/T 3716-2023, 3.11]

4 Categories

Disposable pallets (hereinafter referred to as pallets) can be divided into wooden pallets, paper-based pallets, plastic pallets and composite material pallets according to their materials.

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