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

GB/T 15234-2025

Replacing GB/T 15234-1994

Plastic flat pallet

塑料平托盘

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1 Scope

GB/T 15234-2025 is the Chinese national standard on plastic flat pallet, in the field of packaging and distribution of goods. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 1 August 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 February 2026. Classification: ICS 55.180.20, CCS A85. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the classification, requirements, inspection rules, marking, packaging, transportation and storage of plastic flat pallets, and describes the test methods for plastic flat pallets. This document applies to the design, production, testing, use and management of plastic flat pallets manufactured using injection molding and blow molding processes. Plastic flat pallets manufactured using other molding modes may take this document as a reference.

2 Normative References

The contents of the following documents constitute indispensable clauses of this document through the normative references in the text. In terms of references with a specified date, only versions with a specified date are applicable to this document. In terms of references

without a specified date, the latest version (including all the modifications) is applicable to this document.

GB/T 2828.1 Sampling Procedures for Inspection by Attributes - Part

1.Sampling Schemes Indexed by Acceptance Quality Limit (AQL) for Lot-by-lot Inspection

GB/T 2934 General-purpose Flat Pallets for Through Transit of Goods - Principal Dimensions and Tolerances

GB/T 3716 Pallets for Materials Handling - Vocabulary

GB/T 4995-2025 Flat Pallets - Performance Requirements and Selection of Tests

GB/T 4996-2025 Flat Pallets - Test Methods

GB/T 40006.1-2021 Plastics - Recycled Plastic - Part

3 Terms and Definitions

The terms and definitions defined in GB/T 3716, GB/T 4995-2025 and GB/T 4996-2025, and the following are applicable to this document.

3.1 plastic flat pallet A pallet made primarily of plastic, with a top board but no superstructure.

3.2 injection molding plastic flat pallet A plastic flat pallet manufactured using injection molding process with an injection molding machine and molds.

3.3 blow molding plastic flat pallet A plastic flat pallet manufactured using blow molding process with a blow molding machine and molds.

3.4 welded plastic flat pallet A plastic flat pallet in which two or more separately molded structural components are welded together to achieve the use function of a pallet.

3.5 assembled plastic flat pallet A plastic flat pallet in which two or more separately molded structural components are assembled together to achieve the use function of a pallet.

4 Classification

4.1 In accordance with the production molding process, plastic flat pallets are generally classified into injection molding plastic flat pallets and blow molding plastic flat pallets.

4.2 In accordance with the component combination mode, plastic flat pallets are generally classified into one-piece molding plastic flat pallets, welded plastic flat pallets and assembled plastic flat pallets.

4.3 In accordance with the rated load (R), plastic flat pallets are generally classified into 500 kg, 800 kg, 1,000 kg, 1,200 kg and 1,500 kg.

4.4 In accordance with the number of boards, plastic flat pallets are generally classified into single-sided and double-sided; in accordance with the forklift entry condition, plastic flat pallets are generally classified into two-way forklift entry and four-way forklift entry; in accordance with single-sided or double-sided use, plastic flat pallets are generally classified into single-sided use and double-sided use. In accordance with these classifications, combine and form different types of use. The types, codes, illustrations, common molding processes and main purposes are shown in Table 1.

5 Requirements

5.1 Materials When using raw materials of different properties in the production of plastic flat pallets, they should be easy to identify, separate and recycle; when using fillers or reinforcing materials, pallet performance shall be guaranteed; when using recycled plastics, they shall meet the requirements of 5.1, 5.2,

5.4 in GB/T 40006.1-2021.

5.2 Appearance

5.2.1 The surface of the plastic flat pallets shall be flat, free of burrs, and free of cracks and deformations that may affect their use. There shall be no obvious color difference on the same components of a single pallet. Pallets in the same batch shall have a basically consistent color.

5.2.2 Welded plastic flat pallets shall have complete welds and a firm structure, without any incomplete welds or detached welds.

5.2.3 Assembled plastic flat pallets shall have a complete structure and firm connections.

5.3 Main Dimensions and Tolerances

5.3.1 Dimensions The planar dimensions of the plastic flat pallets shall adopt the planar dimensions of GB/T 2934, and the entry dimensions should conform to the requirements of GB/T 2934.

5.3.2 Tolerances

5.3.2.1 The tolerances of planar dimensions, diagonal deviations and flatness of plastic flat pallets shall conform to the requirements of GB/T 2934.

5.3.2.2 The wall thickness at the fork entry point of blow molding plastic flat pallets shall not be less than 4 mm.

5.3.2.3 The welded surfaces of welded plastic flat pallets shall be vertically aligned, and the welding misalignment shall not exceed 2 mm.

5.3.2.4 The assembly misalignment of assembled plastic flat pallets shall not exceed the

design allowable value.

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