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**Assembled plastic pallet
(English Translation)**

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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 of Standardization Documents" drafted.

Please note that some content of this document may be patented. The issuing agency of this document assumes no responsibility for identifying patents.

Introduction

Combined plastic pallets are widely used in logistics transportation and warehousing turnover in various industries, and can be matched with general handling equipment, trucks and other warehousing equipment.

It can improve the operation efficiency of the entire logistics and warehousing system, and can effectively reduce the breakage rate. In order to better standardize the production of combined plastic pallets in 2011, the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China and the National Standardization Administration approved and issued GB/T 27915-2011 "Combined Plastic Tray". After the release and implementation of this standard, it has played a role in guiding, regulating and promoting the development of the pallet industry.

effect. In 2016, the National Standardization Management Committee conducted a centralized review of a series of national standards. After review and research, the national

logistics standard the Standardization Technical Committee (SAC/TC269) recommends that some product standards be converted from national standards to industry standards, including GB/T 27915-2011 "Combined Plastic Pallets". In order to meet the development needs of my country's pallet industry, in 2019, approved by the National Development and Reform Commission Item, and began to formulate the industry standard of "Combined Plastic Pallet".

This document combines the actual development of the combined plastic pallet industry and the new demands and changes of the market, in GB/T 27915-2011 "Combination the performance requirements and test methods for the bending test and fork lift test are added on the basis of "Plastic Pallets", and the drop test under high temperature conditions is deleted.

A chapter on inspection rules has been added to better guide enterprises to design and produce pallets that meet the requirements for transportation and storage, promote healthy competition and improve High commonality and saving social resources are of great significance to improving the technical level of combined plastic pallet products.

Combined plastic tray

1 Scope

This document specifies the structure and classification, requirements, test methods, inspection rules, as well as marking, packaging, transportation and storage.

This document applies to combined plastic pallets mainly made of high-density polyethylene (HDPE), polypropylene (PP) and other plastic sheets.

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, dated citations documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document.

GB/T 191 Graphical signs of packaging, storage and transportation GB/T 2934 Main dimensions and tolerances of common flat pallets for intermodal transportation GB/T 3716 Pallet Terminology GB/T 4122.1 Packaging Terminology Part 1: Basics GB/T 4857.3-2008 Basic test for packaging and transport packages - Part 3: Static load stacking test method GB/T 4857.11-2005 Basic test for packaging and transport packages - Part 11: Horizontal impact test method GB/T 4996-2014 Test method for general flat pallets for intermodal transportation GB/T 16288 signs of plastic products

3 Terms and Definitions

The terms and definitions defined in GB/T 2934, GB/T 3716 and GB/T 4122.1 and the following terms and definitions apply to this document.

It is a plastic pallet that uses the bottom bracket as the bearing surface and can be used in combination with auxiliary structural components on different surfaces.

4.1 Structure

4.1.1

The combined plastic pallet consists of a bottom bracket, a top cover, a partition and a wall plate. Common combined structures include bottom bracket, partition and top cover combination.

The bracket, the top cover and the wall panel are combined.

4.1.2

The bottom bracket is the support at the bottom of the pallet, and its bearing surface is flat or can have a cargo positioning cavity, which is used to assemble and store the cargo.

Used alone or in combination with the assembled upper member, its bottom structure and minimum height shall meet the requirements of GB/T 2934.

4.1.3

The top cover is a component of the top of the pallet, and its inner side is flat or can have a cargo positioning cavity and is used in conjunction with a bottom bracket, a partition or a wall plate.

4.1.4

The partition is the middle layer between the bottom bracket and the top cover, and can have a three-dimensional cavity suitable for the positioning of preloaded goods.

4.1.5

The wall plate is the box wall of the box-type pallet. According to the requirements of the goods to be carried, it can be detachably connected with the bottom bracket and the top cover.

The middle wall panel is an important load-bearing component of the box pallet.