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**Plastic box 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

Plastic box pallets are one of the important product categories in the pallet product series. In order to better standardize the production of plastic box pallets and improve production in 2014, 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 31081-2014 "Plastic Box Pallets". After the release and implementation of this standard, it has played a role in guiding, regulating and promoting the development of the pallet industry. In 2016, the country the Standardization Management Committee has conducted a centralized review of a series of national standards. After review and research, the National Logistics Standardization Technical Committee (SAC/TC269) recommends that some product standards be converted from national standards to industry standards, including GB/T 31081-2014 "Plastic Box Type tray". In order to meet the development needs of my country's logistics industry sharing and sharing, in 2019, with the approval of the

National Development and Reform Commission, the project began to be developed.

Set the industry standard of "Plastic Box Pallets".

This document combines the actual development of the pallet industry and the new demands and changes of the market. In GB/T 31081-2014 "Plastic Box Pallets" on the basis of, the requirements for empty box stacking test and vibration test are deleted, and the requirements for low temperature drop test are added. For the high temperature stacking test conditions explained.

plastic box tray

1 Scope

This document specifies the form, requirements, test methods, inspection rules, as well as marking, packaging, transportation and storage of plastic box pallets.

This document applies to plastic box pallets made of high-density polyethylene (HDPE) and copolymerized polypropylene (PP) as the main raw materials.

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 2934 Main dimensions and tolerances of common flat pallets for intermodal transportation
GB/T 3716 Pallet Terminology
GB/T 4857.1 Basic test for packaging and transport packages - Part 1: Marking method of each part during the test
GB/T 4857.11 Basic tests for packaging and transport packages - Part 11: Horizontal impact test method

3 Terms and Definitions

GB/T 3716 as well as the following terms and definitions apply to this document.

plasticboxpallet

Box trays are made of high-density polyethylene (HDPE), copolymerized polypropylene (PP) and other plastics as the main raw materials.

rated stacking load nominalstackingload the minimum safe load that the top of the plastic box pallet placed on the bottom can bear.

Note: The unit is kilogram (kg).

test load

Load into the inside of a plastic case pallet or on top of a plastic case pallet to simulate the load of a storage or shipping environment.

Note: The unit is kilogram (kg).

4 Forms

Appendix A lists three common types of plastic box pallets. fixed, foldable, and removable.