



Freedonia Focus Reports
Global Collection

Global Pallets

May 2020



CLICK TO ORDER
FULL REPORT **BROCHURE** CLICK TO ORDER
FULL REPORT

www.freedoniafocusreports.com

Table of Contents

1. Highlights	3
2. Global Overview & Forecasts	5
Near-Term Impact of COVID-19 Pandemic	5
Demand by Material	7
Wood	8
Plastic	8
Corrugated & Molded Pulp	9
Metal	9
Demand by Market	11
Manufacturing	12
Warehousing	12
Construction	13
Other Markets	13
3. Regional Segmentation & Forecasts	15
Regional Production Overview	15
Regional Demand Overview	17
North America	19
Western Europe	21
Asia/Pacific	23
Other Regions	25
Central & South America	26
Eastern Europe	26
Africa/Mideast	27
4. Industry Structure	28
Industry Characteristics	28
Market Share	29
PalletOne	30
PGS Group	30
Schoeller Allibert	31
5. About This Report	32
Scope	32
Sources	33
Industry Codes	33
Freedonia Methodology	34
Resources	35

List of Tables & Figures

Figure 1 Global Pallet Market Outlook, 2019 – 2024	4
Figure 2 Global Pallet Demand by Material, 2009 – 2024 (bil units)	7
Table 1 Global Pallet Demand by Material, 2009 – 2024 (mil units)	7
Figure 3 Global Pallet Demand by Material, 2009 – 2024 (%)	10
Figure 4 Global Pallet Demand by Market, 2009 – 2024 (bil units)	11
Table 2 Global Pallet Demand by Market, 2009 – 2024 (mil units)	11
Figure 5 Global Pallet Demand by Market, 2009 – 2024 (%)	14
Figure 6 Global Pallet Production by Region, 2009 – 2024 (bil units)	15
Table 3 Global Pallet Production by Region, 2009 – 2024 (mil units)	15
Figure 7 Global Pallet Production by Region, 2009 – 2024 (%)	16
Figure 8 Global Pallet Demand by Region, 2009 – 2024 (bil units)	17
Table 4 Global Pallet Demand by Region, 2009 – 2024 (mil units)	17
Figure 9 Global Pallet Demand by Region, 2009 – 2024 (%)	18
Figure 10 North America: Pallet Demand by Material, 2009 – 2024 (mil units)	19
Figure 11 North America: Pallet Demand by Market, 2009 – 2024 (mil units)	19
Table 5 North America: Pallet Demand by Material & Market, 2009 – 2024 (mil units)	20
Figure 12 Western Europe: Pallet Demand by Material, 2009 – 2024 (mil units)	21
Figure 13 Western Europe: Pallet Demand by Market, 2009 – 2024 (mil units)	21
Table 6 Western Europe: Pallet Demand by Material & Market, 2009 – 2024 (mil units)	22
Figure 14 Asia/Pacific: Pallet Demand by Material, 2009 – 2024 (mil units)	23
Figure 15 Asia/Pacific: Pallet Demand by Market, 2009 – 2024 (mil units)	23
Table 7 Asia/Pacific: Pallet Demand by Material & Market, 2009 – 2024 (mil units)	24
Figure 16 Other Regions: Pallet Demand by Region, 2009 – 2024 (mil units)	25
Figure 17 Other Regions: Pallet Demand by Material, 2009 – 2024 (mil units)	25
Table 8 Other Regions: Pallet Demand by Region & Material, 2009 – 2024 (mil units)	27
Figure 18 Global Pallet Market Share by Company, 2019 (%)	29
Table 9 Leading Suppliers to the Global Pallet Market	30
Table 10 NAICS & SIC Codes Related to Pallets	33
Table 11 HS Codes Related to Pallets	33
Table 12 NACE Codes Related to Pallets	33

About This Report

Scope

This report forecasts to 2024 global demand for pallets by material, market, and major world region in units. Material segments include:

- wood
- plastic
- corrugated and molded pulp
- metal

Reported markets encompass:

- manufacturing
- warehousing
- construction
- other markets such as use in-store by retailers and military transportation and storage

World regions include North America, Western Europe, Asia/Pacific, and all other regions.

To illustrate historical trends, world, material, market, and regional demand (including material and market segments) are provided for 2009, 2014, and 2019. Finally, global production is segmented by world region and provided for 2009, 2014, 2019, and 2024.

Pallets are flat portable platforms used for handling, storing, or moving materials and packages either inside warehouses or factories or between locations. The term “stock” refers to all pallets held by users, including those not actively in use. Pallets are constructed primarily from wood but can also be made from other materials such as plastic, corrugated board, metal, or molded fiber. Pallets fabricated from more than one type of material are classified depending on the type of material accounting for the greatest portion of their composition. Wood pallets are available in three types:

- new
- refurbished (reconditioned)
- remanufactured (rebuilt)

Pallet demand in this report is also segmented by market. In analyzing demand by market, the party who places goods on the pallet is considered to be the user of the pallet:

- For example, when a manufacturer of breakfast cereal purchases a pallet to ship boxes of the cereal, this is considered to be demand by a manufacturer in the food and beverage market.

About This Report

- When a pallet management firm purchases a pallet, stores it, and then leases it to a manufacturer, this is considered to be demand by a warehousing services provider.

Other various topics, including profiles of pertinent leading companies, are covered in this report. A full outline of report items by page is available in the Table of Contents.

Sources

Global Pallets (FW30038) is based on a [comprehensive industry study](#) published by The Freedonia Group. Reported findings represent the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources, such as:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- intergovernmental and non-governmental organizations
- trade associations and their publications
- the business and trade press
- indicator forecasts by The Freedonia Group
- the findings of other reports and studies by The Freedonia Group

Specific sources and additional resources are listed in the Resources section of this publication for reference and to facilitate further research.

Industry Codes

Table 10 | NAICS & SIC Codes Related to Pallets

NAICS/SCIAN 2017 North American Industry Classification System		SIC Standard Industrial Classification	
321920	Wood container and pallet manufacturing	2448	Wood pallets and skids

Source: US Census Bureau

Table 11 | HS Codes Related to Pallets

HS Code	Definition
4415	Pallets, box pallets, and other load boards

Source: United Nations Statistics Division

Table 12 | NACE Codes Related to Pallets

NACE Code	Definition
16.24	Manufacture of wooden containers
25.99	Manufacture of other fabricated metal products n.e.c.

Source: European Commission

Freedonia Methodology

The Freedonia Group, a subsidiary of MarketResearch.com, has been in business for more than 30 years and in that time has developed a comprehensive approach to data analysis that takes into account the variety of industries covered and the evolving needs of our customers.

Every industry presents different challenges in market sizing and forecasting, and this requires flexibility in methodology and approach. Freedonia methodology integrates a variety of quantitative and qualitative techniques to present the best overall picture of a market's current position as well as its future outlook: When published data are available, we make sure they are correct and representative of reality. We understand that published data often have flaws either in scope or quality, and adjustments are made accordingly. Where no data are available, we use various methodologies to develop market sizing (both top-down and bottom-up) and then triangulate those results to come up with the most accurate data series possible. Regardless of approach, we also talk to industry participants to verify both historical perspective and future growth opportunities.

Methods used in the preparation of Freedonia market research include, but are not limited to, the following activities: comprehensive data mining and evaluation, primary research, consensus forecasting and analysis, ratio analysis using key indicators, regression analysis, end use growth indices and intensity factors, purchase power parity adjustments for global data, consumer and end user surveys, market share and corporate sales analysis, product lifespan analysis, product or market life cycle analysis, graphical data modeling, long-term historical trend analysis, bottom-up and top-down demand modeling, and comparative market size ranking.

Freedonia quantifies trends in various measures of growth and volatility. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. The volatility of datapoints around a least squares growth trend over time is expressed via the coefficient of determination, or r^2 . The most stable data series relative to the trend carries an r^2 value of 1.0; the most volatile – 0.0. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

Copyright & Licensing

The full report is protected by copyright laws of the United States of America and international treaties. The entire contents of the publication are copyrighted by The Freedonia Group.

Resources

The Freedonia Group

Global Pallets

Freedonia Industry Studies

Corrugated & Paperboard Boxes

Global Bulk Packaging

Global Corrugated Boxes

Global E-Commerce

Global E-Commerce Packaging

Global Material Handling Equipment

Global Packaging Machinery

Global Pharmaceutical Packaging

Global Protective Packaging

Molded Pulp Packaging

Protective Packaging

Retail-Ready Packaging

Rigid Bulk Packaging

Stretch & Shrink Film

Freedonia Focus Reports

Beverages: United States

Construction: United States

COVID-19 Market Impact Analysis

E-Commerce: United States

Freight Services: United States

Global Macroeconomy

Manufacturing: United States

Packaging: United States

Processed Food: United States

Recovered Packaging: United States

Rigid Intermediate Bulk Containers: United States

Thermoplastic Resins: United States

Transport Equipment: United States

Warehousing & Storage Services: United States

Freedonia Custom Research

Trade Publications

Inbound Logistics

Modern Materials Handling

Pallet Enterprise
PlasticsToday

Agencies & Associations

Asia Pallet System Federation
European Federation of Wooden Pallet and Packaging Manufacturers
European Pallet Association
Eurostat
Grocery Manufacturers Association
Instituto Brasileiro de Geografia e Estatística
Instituto Nacional de Estadística y Geografía (Mexico)
International Monetary Fund
International Organization for Standardization
Japan Pallet Association
Korean Statistical Information Service
National Fire Protection Association
National Wooden Pallet & Container Association
Organisation for Economic Co-operation and Development
Reusable Packaging Association
Statistics Canada
United Nations Comtrade
United States Census Bureau
United States International Trade Commission
World Bank