

Global Plastic Sealed Rectifier Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GBE85D2D9148EN.html>

Date: June 2026

Pages: 145

Price: US\$ 4,480.00 (Single User License)

ID: GBE85D2D9148EN

Abstracts

The global Plastic Sealed Rectifier market size is expected to reach \$ 1094 million by 2032, rising at a market growth of 3.2% CAGR during the forecast period (2026-2032).

In 2025, the global production volume of plastic-encapsulated rectifier diodes is projected to reach 570 million units, with an average selling price of \$1.50 per unit. The global annual production capacity for these devices stands at approximately 800 million units, accompanied by a gross margin of approximately 25.2%. A plastic-encapsulated rectifier diode is an electronic component?specifically, a type of rectifier diode. Its primary function is to convert alternating current (AC) into direct current (DC), and it is utilized in a wide variety of power supply circuits. The term 'plastic-encapsulated' refers to the device's housing, which is encased in plastic material; this design provides excellent electrical insulation and mechanical protection while simultaneously facilitating ease of installation and use. The upstream supply chain for plastic-encapsulated rectifier diodes involves raw materials such as silicon wafers, copper lead frames, and plastic molding compounds. The midstream segment consists of the manufacturers of these rectifier diodes, while the downstream market encompasses major application sectors such as automotive, home appliances, and industrial equipment.

The market for plastic-encapsulated rectifier diodes is currently exhibiting a trend of steady growth, driven by demand from sectors such as new energy vehicles, industrial automation, and consumer electronics, resulting in a continuous expansion of their application scope. Technologically, the industry is evolving toward higher efficiency, smaller form factors, and enhanced reliability; the constant emergence of novel packaging materials and processes is further boosting product performance. Market competition is intense, characterized by the joint participation of both international manufacturers and domestic enterprises, leading to a gradual diversification in market

share distribution. Chinese companies have made significant strides in technological R&D and production capacity expansion, thereby progressively strengthening their competitiveness within the global market. Nevertheless, factors such as fluctuations in raw material prices, risks associated with technological iteration, and shifts in industry policies continue to introduce a degree of uncertainty into the market's development trajectory.

This report studies the global Plastic Sealed Rectifier production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Plastic Sealed Rectifier and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Plastic Sealed Rectifier that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Plastic Sealed Rectifier total production and demand, 2021-2032, (K Units)

Global Plastic Sealed Rectifier total production value, 2021-2032, (USD Million)

Global Plastic Sealed Rectifier production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Plastic Sealed Rectifier consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Plastic Sealed Rectifier domestic production, consumption, key domestic manufacturers and share

Global Plastic Sealed Rectifier production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Plastic Sealed Rectifier production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Plastic Sealed Rectifier production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Plastic Sealed Rectifier market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Onsemi, Rohm, Vishay, Pan Jit International, NXP, Sanken Electronic, Diodes Inc., Panasonic, Kexin, MOSPEC SEMICONDUCTOR, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Plastic Sealed Rectifier market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Plastic Sealed Rectifier Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Plastic Sealed Rectifier Market, Segmentation by Type:

Fully Plastic Sealed

Plastic Sealed with Heat Sink

Global Plastic Sealed Rectifier Market, Segmentation by Encapsulation Materials:

Epoxy Resin

Silicone Gel

Global Plastic Sealed Rectifier Market, Segmentation by Reverse Voltage Rating:

200V and Below

200V ? 600V

Above 600V

Global Plastic Sealed Rectifier Market, Segmentation by Application:

Automobile

Home Appliance

Industrial

Consumer Electronics

Others

Companies Profiled:

Onsemi

Rohm

Vishay

Pan Jit International

NXP

Sanken Electronic

Diodes Inc.

Panasonic

Kexin

MOSPEC SEMICONDUCTOR

TECHSEM

GOOD-ARK

Changzhou Meibangli Electronic

CRK

DOWO

Shanghai Sinble Electronics

Yangzhou Yangjie

Key Questions Answered:

1. How big is the global Plastic Sealed Rectifier market?
2. What is the demand of the global Plastic Sealed Rectifier market?
3. What is the year over year growth of the global Plastic Sealed Rectifier market?
4. What is the production and production value of the global Plastic Sealed Rectifier market?
5. Who are the key producers in the global Plastic Sealed Rectifier market?
6. What are the growth factors driving the market demand?

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