

# Global Functional Polystyrene Particles Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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## Abstracts

According to our (Global Info Research) latest study, the global Functional Polystyrene Particles market size was valued at US\$ 56.4 million in 2024 and is forecast to a readjusted size of USD 81.3 million by 2031 with a CAGR of 5.4% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Functional polystyrene particles are polystyrene microspheres that have been chemically modified to possess specific surface functional groups, such as carboxyl (-COOH), amino (-NH<sub>2</sub>), or sulfonate (-SO<sub>3</sub>H), which enable them to interact with various molecules or surfaces in targeted ways. These functionalized particles are widely used in fields like biomedical research, diagnostics, and materials science, where they serve as carriers for biomolecules in assays, drug delivery systems, and biosensors. Their tailored surface properties enhance binding affinity, improve stability, and allow for the conjugation of proteins, DNA, or other functional molecules, making them versatile tools for applications in immunoassays, chromatography, and environmental monitoring.

This report is a detailed and comprehensive analysis for global Functional Polystyrene Particles market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market

share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global Functional Polystyrene Particles market size and forecasts, in consumption value (\$ Million), sales quantity (L), and average selling prices (US\$/mL), 2020-2031

Global Functional Polystyrene Particles market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (L), and average selling prices (US\$/mL), 2020-2031

Global Functional Polystyrene Particles market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (L), and average selling prices (US\$/mL), 2020-2031

Global Functional Polystyrene Particles market shares of main players, shipments in revenue (\$ Million), sales quantity (L), and ASP (US\$/mL), 2020-2025

### **The Primary Objectives in This Report Are:**

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Functional Polystyrene Particles
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Functional Polystyrene Particles market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include JSR Life Sciences, Thermo Fisher Scientific, Merck KGaA, Bangs Laboratories (Polysciences), Agilent, Magsphere, CD Bioparticles, Fujikura Kasei, Spherotech, IKERLAT Polymers, etc.

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

### **Market Segmentation**

Functional Polystyrene Particles market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and

forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### **Market segment by Type**

Plain Polystyrene Particles

Carboxylated Polystyrene Latex Particles

Aminated Polystyrene Latex Particles

Others

### **Market segment by Application**

In-Vitro Diagnostics (IVD)

HPLC Columns

Others

### **Major players covered**

JSR Life Sciences

Thermo Fisher Scientific

Merck KGaA

Bangs Laboratories (Polysciences)

Agilent

Magsphere

CD Bioparticles

Fujikura Kasei

Spherotech

IKERLAT Polymers

Suzhou NanoMicro Technology

VDO Biotech

Sunresin

Hangzhou Bioeast Biotech

Knowledge & Benefit Tech.

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe Functional Polystyrene Particles product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Functional Polystyrene Particles, with price, sales quantity, revenue, and global market share of Functional Polystyrene Particles from 2020 to 2025.

Chapter 3, the Functional Polystyrene Particles competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Functional Polystyrene Particles breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Functional Polystyrene Particles market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Functional Polystyrene Particles.

Chapter 14 and 15, to describe Functional Polystyrene Particles sales channel, distributors, customers, research findings and conclusion.

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