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Global Food-Grade Silicone Release Agent Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Food-Grade Silicone Release Agent market size was valued at US$ 358 million in 2025 and is forecast to a readjusted size of US$ 534 million by 2032 with a CAGR of 5.9% during review period.

In 2025, global sales volume of food-grade silicone release agents was approximately 58,000 tons, with an average ex-factory selling price of around USD 6.0/kg. The gross margin of major manufacturers was approximately 32%–42%.

Food-grade silicone release agents are a class of release products formulated primarily with polydimethylsiloxane, silicone emulsions, or curable silicone systems, specifically designed for food-contact materials or food-processing-related applications. Their primary function is to form a low-surface-energy, uniform, and stable silicone release layer on substrates, molds, or equipment surfaces, thereby reducing adhesion between food, resins, adhesive layers, or other materials and the contact surface, and improving demolding, release, and anti-sticking performance. Compared with general industrial silicone release agents, food-grade products are required not only to provide good release performance, spreadability, heat resistance, and chemical stability, but also to comply with applicable food-contact regulations or certification requirements, with stricter control over volatile substances, migrants, and potentially harmful impurities. They are therefore widely used in baking paper, food packaging materials, food molds, and food processing equipment where a high level of safety is required.

Upstream materials mainly include silicone base polymers, silicone fluids, silicone resins, emulsifiers, crosslinking agents, catalysts, solvents or water-based carriers, and other food-contact-grade additives. The purity, molecular structure, and formulation

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stability of silicone raw materials directly affect release performance, heat resistance, and migration safety. Downstream applications mainly include baking and cooking paper, food packaging paper and films, confectionery and bakery packaging, food-forming molds and trays, as well as food processing and packaging equipment. In practical use, these release agents are typically applied by roll coating, spraying, or wiping to form a thin layer. Some products used for paper and packaging materials are subsequently heat-cured to form a stable silicone coating. As a result, overall performance depends not only on the release agent itself, but also on substrate surface conditions, coating weight, curing conditions, and final food-contact requirements.

Report Scope

This report is a detailed and comprehensive analysis for global Food-Grade Silicone Release Agent 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 Food-Grade Silicone Release Agent market size and forecasts, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/kg), 2021-2032

Global Food-Grade Silicone Release Agent market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/kg), 2021-2032

Global Food-Grade Silicone Release Agent market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/kg), 2021-2032

Global Food-Grade Silicone Release Agent market shares of main players, shipments in revenue ($ Million), sales quantity (Tons), and ASP (US$/kg), 2021-2026

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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 Food-Grade Silicone Release Agent

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 Food-Grade Silicone Release Agent 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 Dow, Shin-Etsu Chemical, Wacker Chemie, Momentive Performance Materials, BRB International, MÜNZING CHEMIE, Ivanhoe Industries, JAX, Haynes Manufacturing, CRC Industries, etc.

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

Food-Grade Silicone Release Agent market is split by Type and by Application. For the period 2021-2032, 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 Segmentation

Market segment by Type

Solventless Type

Water-based Emulsion Type

Solvent-based Type

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Market segment by Silicone Content

Low-content Type (?20%)

Medium-content Type (>20%–50%)

High-content Type (>50%)

Market segment by Application

Baking and Cooking Paper

Food Packaging Material

Food Processing Equipment

Food Mold and Tray

Other

Major players covered

Dow

Shin-Etsu Chemical

Wacker Chemie

Momentive Performance Materials

BRB International

MÜNZING CHEMIE

Ivanhoe Industries

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JAX

Haynes Manufacturing

CRC Industries

Stoner

Aervoe

Bluestar Silicones

Hangzhou Topwin Technology Development

Guangdong YOZHO Technology

Jiangsu Zentek New Materials

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)

Chapter Outline

Chapter 1, to describe Food-Grade Silicone Release Agent product scope, market overview, market estimation caveats and base year.

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Chapter 2, to profile the top manufacturers of Food-Grade Silicone Release Agent, with price, sales quantity, revenue, and global market share of Food-Grade Silicone Release Agent from 2021 to 2026.

Chapter 3, the Food-Grade Silicone Release Agent competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Food-Grade Silicone Release Agent breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026.and Food-Grade Silicone Release Agent market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Food-Grade Silicone Release Agent.

Chapter 14 and 15, to describe Food-Grade Silicone Release Agent sales channel, distributors, customers, research findings and conclusion.

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