

Global Semiconductor Grade Ion Exchange Resins 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 Semiconductor Grade Ion Exchange Resins market size was valued at US\$ 868 million in 2024 and is forecast to a readjusted size of USD 1565 million by 2031 with a CAGR of 8.9% during review period.

An ion exchange resin is an insoluble polymer matrix containing labile ions which are capable of exchanging with ions in the surrounding medium without any major physical change taking place in its structure. Semiconductor grade ion exchange resins are specialized polymeric materials used in the processing and purification of water, chemicals, and other materials in semiconductor manufacturing.

With shrinking node size, modern integrated circuits are so complex that even the smallest contaminant can create costly defects. Ultrapure water (UPW) is vital to cleaning wafers in the fabrication plant, and to prevent failure, must be free of organic and inorganic compounds, particulates, and other contaminants. Meanwhile, water shortages pose a significant threat to expansion, and processes generate wastewaters with hazardous metals and solvents. Major electronics companies are responding by recycling water internally to high levels and recovering chemicals from waste to tighter standards. The surge in electronics and semiconductor devices, especially in sectors like consumer electronics, automotive, and telecommunications, drives the need for efficiently treating and purifying water.

This report is a detailed and comprehensive analysis for global Semiconductor Grade Ion Exchange Resins 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 Semiconductor Grade Ion Exchange Resins market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (USD/Ton), 2020-2031

Global Semiconductor Grade Ion Exchange Resins market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (USD/Ton), 2020-2031

Global Semiconductor Grade Ion Exchange Resins market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (USD/Ton), 2020-2031

Global Semiconductor Grade Ion Exchange Resins market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (USD/Ton), 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 Semiconductor Grade Ion Exchange Resins
- To forecast future growth in each product and end-use market
- To forecast future factors affecting the marketplace

This report profiles key players in the global Semiconductor Grade Ion Exchange Resins 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 DuPont, Lanxess, Mitsubishi Chemical, Samyang, Purolite (Ecolab), Jacobi (Osaka Gas Chemicals), Thermax, ResinTech, Ovivo (SKion Water), Suqing Group, etc.

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

Market Segmentation

Semiconductor Grade Ion Exchange Resins 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

Anion Exchange Resin

Cation Exchange Resin

Market segment by Application

Ultrapure Water Production

Semiconductor Wastewater Treatment

Others

Major players covered

DuPont

Lanxess

Mitsubishi Chemical

Samyang

Purolite (Ecolab)

Jacobi (Osaka Gas Chemicals)

Thermax

ResinTech

Ovivo (SKion Water)

Suqing Group

Hebi Higer Chemical

Ningbo Zhengguang Resin

Jiangsu Linhai Resin Technology

Bengbu Dongli Chemical

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 Semiconductor Grade Ion Exchange Resins product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Semiconductor Grade Ion Exchange Resins, with price, sales quantity, revenue, and global market share of Semiconductor Grade Ion Exchange Resins from 2020 to 2025.

Chapter 3, the Semiconductor Grade Ion Exchange Resins competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Semiconductor Grade Ion Exchange Resins 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 Semiconductor Grade Ion Exchange Resins 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 Semiconductor Grade Ion Exchange Resins.

Chapter 14 and 15, to describe Semiconductor Grade Ion Exchange Resins sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Semiconductor Grade Ion Exchange Resins Consumption Value by Type: 2020 Versus 2024 Versus 2031

1.3.2 Anion Exchange Resin

1.3.3 Cation Exchange Resin

1.4 Market Analysis by Application

1.4.1 Overview: Global Semiconductor Grade Ion Exchange Resins Consumption Value by Application: 2020 Versus 2024 Versus 2031

1.4.2 Ultrapure Water Production

1.4.3 Semiconductor Wastewater Treatment

1.4.4 Others

1.5 Global Semiconductor Grade Ion Exchange Resins Market Size & Forecast

1.5.1 Global Semiconductor Grade Ion Exchange Resins Consumption Value (2020 & 2024 & 2031)

1.5.2 Global Semiconductor Grade Ion Exchange Resins Sales Quantity (2020-2031)

1.5.3 Global Semiconductor Grade Ion Exchange Resins Average Price (2020-2031)

2 MANUFACTURERS PROFILES

2.1 DuPont

2.1.1 DuPont Details

2.1.2 DuPont Major Business

2.1.3 DuPont Semiconductor Grade Ion Exchange Resins Product and Services

2.1.4 DuPont Semiconductor Grade Ion Exchange Resins Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.1.5 DuPont Recent Developments/Updates

2.2 Lanxess

2.2.1 Lanxess Details

2.2.2 Lanxess Major Business

2.2.3 Lanxess Semiconductor Grade Ion Exchange Resins Product and Services

2.2.4 Lanxess Semiconductor Grade Ion Exchange Resins Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.2.5 Lanxess Recent Developments/Updates

2.3 Mitsubishi Chemical

2.3.1 Mitsubishi Chemical Details

2.3.2 Mitsubishi Chemical Major Business

2.3.3 Mitsubishi Chemical Semiconductor Grade Ion Exchange Resins Product and Services

2.3.4 Mitsubishi Chemical Semiconductor Grade Ion Exchange Resins Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.3.5 Mitsubishi Chemical Recent Developments/Updates

2.4 Samyang

2.4.1 Samyang Details

2.4.2 Samyang Major Business

2.4.3 Samyang Semiconductor Grade Ion Exchange Resins Product and Services

2.4.4 Samyang Semiconductor Grade Ion Exchange Resins Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.4.5 Samyang Recent Developments/Updates

2.5 Purolite (Ecolab)

2.5.1 Purolite (Ecolab) Details

2.5.2 Purolite (Ecolab) Major Business

2.5.3 Purolite (Ecolab) Semiconductor Grade Ion Exchange Resins Product and Services

2.5.4 Purolite (Ecolab) Semiconductor Grade Ion Exchange Resins Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.5.5 Purolite (Ecolab) Recent Developments/Updates

2.6 Jacobi (Osaka Gas Chemicals)

2.6.1 Jacobi (Osaka Gas Chemicals) Details

2.6.2 Jacobi (Osaka Gas Chemicals) Major Business

2.6.3 Jacobi (Osaka Gas Chemicals) Semiconductor Grade Ion Exchange Resins Product and Services

2.6.4 Jacobi (Osaka Gas Chemicals) Semiconductor Grade Ion Exchange Resins Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.6.5 Jacobi (Osaka Gas Chemicals) Recent Developments/Updates

2.7 Thermax

2.7.1 Thermax Details

2.7.2 Thermax Major Business

2.7.3 Thermax Semiconductor Grade Ion Exchange Resins Product and Services

2.7.4 Thermax Semiconductor Grade Ion Exchange Resins Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.7.5 Thermax Recent Developments/Updates

2.8 ResinTech

- 2.8.1 ResinTech Details
- 2.8.2 ResinTech Major Business
- 2.8.3 ResinTech Semiconductor Grade Ion Exchange Resins Product and Services
- 2.8.4 ResinTech Semiconductor Grade Ion Exchange Resins Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.8.5 ResinTech Recent Developments/Updates
- 2.9 Ovivo (SKion Water)
 - 2.9.1 Ovivo (SKion Water) Details
 - 2.9.2 Ovivo (SKion Water) Major Business
 - 2.9.3 Ovivo (SKion Water) Semiconductor Grade Ion Exchange Resins Product and Services
 - 2.9.4 Ovivo (SKion Water) Semiconductor Grade Ion Exchange Resins Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.9.5 Ovivo (SKion Water) Recent Developments/Updates
- 2.10 Suqing Group
 - 2.10.1 Suqing Group Details
 - 2.10.2 Suqing Group Major Business
 - 2.10.3 Suqing Group Semiconductor Grade Ion Exchange Resins Product and Services
 - 2.10.4 Suqing Group Semiconductor Grade Ion Exchange Resins Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.10.5 Suqing Group Recent Developments/Updates
- 2.11 Hebi Higer Chemical
 - 2.11.1 Hebi Higer Chemical Details
 - 2.11.2 Hebi Higer Chemical Major Business
 - 2.11.3 Hebi Higer Chemical Semiconductor Grade Ion Exchange Resins Product and Services
 - 2.11.4 Hebi Higer Chemical Semiconductor Grade Ion Exchange Resins Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.11.5 Hebi Higer Chemical Recent Developments/Updates
- 2.12 Ningbo Zhengguang Resin
 - 2.12.1 Ningbo Zhengguang Resin Details
 - 2.12.2 Ningbo Zhengguang Resin Major Business
 - 2.12.3 Ningbo Zhengguang Resin Semiconductor Grade Ion Exchange Resins Product and Services
 - 2.12.4 Ningbo Zhengguang Resin Semiconductor Grade Ion Exchange Resins Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.12.5 Ningbo Zhengguang Resin Recent Developments/Updates
- 2.13 Jiangsu Linhai Resin Technology

- 2.13.1 Jiangsu Linhai Resin Technology Details
- 2.13.2 Jiangsu Linhai Resin Technology Major Business
- 2.13.3 Jiangsu Linhai Resin Technology Semiconductor Grade Ion Exchange Resins Product and Services
- 2.13.4 Jiangsu Linhai Resin Technology Semiconductor Grade Ion Exchange Resins Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.13.5 Jiangsu Linhai Resin Technology Recent Developments/Updates
- 2.14 Bengbu Dongli Chemical
 - 2.14.1 Bengbu Dongli Chemical Details
 - 2.14.2 Bengbu Dongli Chemical Major Business
 - 2.14.3 Bengbu Dongli Chemical Semiconductor Grade Ion Exchange Resins Product and Services
 - 2.14.4 Bengbu Dongli Chemical Semiconductor Grade Ion Exchange Resins Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.14.5 Bengbu Dongli Chemical Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: SEMICONDUCTOR GRADE ION EXCHANGE RESINS BY MANUFACTURER

- 3.1 Global Semiconductor Grade Ion Exchange Resins Sales Quantity by Manufacturer (2020-2025)
- 3.2 Global Semiconductor Grade Ion Exchange Resins Revenue by Manufacturer (2020-2025)
- 3.3 Global Semiconductor Grade Ion Exchange Resins Average Price by Manufacturer (2020-2025)
- 3.4 Market Share Analysis (2024)
 - 3.4.1 Producer Shipments of Semiconductor Grade Ion Exchange Resins by Manufacturer Revenue (\$MM) and Market Share (%): 2024
 - 3.4.2 Top 3 Semiconductor Grade Ion Exchange Resins Manufacturer Market Share in 2024
 - 3.4.3 Top 6 Semiconductor Grade Ion Exchange Resins Manufacturer Market Share in 2024
- 3.5 Semiconductor Grade Ion Exchange Resins Market: Overall Company Footprint Analysis
 - 3.5.1 Semiconductor Grade Ion Exchange Resins Market: Region Footprint
 - 3.5.2 Semiconductor Grade Ion Exchange Resins Market: Company Product Type Footprint
 - 3.5.3 Semiconductor Grade Ion Exchange Resins Market: Company Product Application Footprint

- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global Semiconductor Grade Ion Exchange Resins Market Size by Region
 - 4.1.1 Global Semiconductor Grade Ion Exchange Resins Sales Quantity by Region (2020-2031)
 - 4.1.2 Global Semiconductor Grade Ion Exchange Resins Consumption Value by Region (2020-2031)
 - 4.1.3 Global Semiconductor Grade Ion Exchange Resins Average Price by Region (2020-2031)
- 4.2 North America Semiconductor Grade Ion Exchange Resins Consumption Value (2020-2031)
- 4.3 Europe Semiconductor Grade Ion Exchange Resins Consumption Value (2020-2031)
- 4.4 Asia-Pacific Semiconductor Grade Ion Exchange Resins Consumption Value (2020-2031)
- 4.5 South America Semiconductor Grade Ion Exchange Resins Consumption Value (2020-2031)
- 4.6 Middle East & Africa Semiconductor Grade Ion Exchange Resins Consumption Value (2020-2031)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Semiconductor Grade Ion Exchange Resins Sales Quantity by Type (2020-2031)
- 5.2 Global Semiconductor Grade Ion Exchange Resins Consumption Value by Type (2020-2031)
- 5.3 Global Semiconductor Grade Ion Exchange Resins Average Price by Type (2020-2031)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Semiconductor Grade Ion Exchange Resins Sales Quantity by Application (2020-2031)
- 6.2 Global Semiconductor Grade Ion Exchange Resins Consumption Value by Application (2020-2031)
- 6.3 Global Semiconductor Grade Ion Exchange Resins Average Price by Application

(2020-2031)

7 NORTH AMERICA

7.1 North America Semiconductor Grade Ion Exchange Resins Sales Quantity by Type (2020-2031)

7.2 North America Semiconductor Grade Ion Exchange Resins Sales Quantity by Application (2020-2031)

7.3 North America Semiconductor Grade Ion Exchange Resins Market Size by Country

7.3.1 North America Semiconductor Grade Ion Exchange Resins Sales Quantity by Country (2020-2031)

7.3.2 North America Semiconductor Grade Ion Exchange Resins Consumption Value by Country (2020-2031)

7.3.3 United States Market Size and Forecast (2020-2031)

7.3.4 Canada Market Size and Forecast (2020-2031)

7.3.5 Mexico Market Size and Forecast (2020-2031)

8 EUROPE

8.1 Europe Semiconductor Grade Ion Exchange Resins Sales Quantity by Type (2020-2031)

8.2 Europe Semiconductor Grade Ion Exchange Resins Sales Quantity by Application (2020-2031)

8.3 Europe Semiconductor Grade Ion Exchange Resins Market Size by Country

8.3.1 Europe Semiconductor Grade Ion Exchange Resins Sales Quantity by Country (2020-2031)

8.3.2 Europe Semiconductor Grade Ion Exchange Resins Consumption Value by Country (2020-2031)

8.3.3 Germany Market Size and Forecast (2020-2031)

8.3.4 France Market Size and Forecast (2020-2031)

8.3.5 United Kingdom Market Size and Forecast (2020-2031)

8.3.6 Russia Market Size and Forecast (2020-2031)

8.3.7 Italy Market Size and Forecast (2020-2031)

9 ASIA-PACIFIC

9.1 Asia-Pacific Semiconductor Grade Ion Exchange Resins Sales Quantity by Type (2020-2031)

9.2 Asia-Pacific Semiconductor Grade Ion Exchange Resins Sales Quantity by

Application (2020-2031)

9.3 Asia-Pacific Semiconductor Grade Ion Exchange Resins Market Size by Region

9.3.1 Asia-Pacific Semiconductor Grade Ion Exchange Resins Sales Quantity by Region (2020-2031)

9.3.2 Asia-Pacific Semiconductor Grade Ion Exchange Resins Consumption Value by Region (2020-2031)

9.3.3 China Market Size and Forecast (2020-2031)

9.3.4 Japan Market Size and Forecast (2020-2031)

9.3.5 South Korea Market Size and Forecast (2020-2031)

9.3.6 India Market Size and Forecast (2020-2031)

9.3.7 Southeast Asia Market Size and Forecast (2020-2031)

9.3.8 Australia Market Size and Forecast (2020-2031)

10 SOUTH AMERICA

10.1 South America Semiconductor Grade Ion Exchange Resins Sales Quantity by Type (2020-2031)

10.2 South America Semiconductor Grade Ion Exchange Resins Sales Quantity by Application (2020-2031)

10.3 South America Semiconductor Grade Ion Exchange Resins Market Size by Country

10.3.1 South America Semiconductor Grade Ion Exchange Resins Sales Quantity by Country (2020-2031)

10.3.2 South America Semiconductor Grade Ion Exchange Resins Consumption Value by Country (2020-2031)

10.3.3 Brazil Market Size and Forecast (2020-2031)

10.3.4 Argentina Market Size and Forecast (2020-2031)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Semiconductor Grade Ion Exchange Resins Sales Quantity by Type (2020-2031)

11.2 Middle East & Africa Semiconductor Grade Ion Exchange Resins Sales Quantity by Application (2020-2031)

11.3 Middle East & Africa Semiconductor Grade Ion Exchange Resins Market Size by Country

11.3.1 Middle East & Africa Semiconductor Grade Ion Exchange Resins Sales Quantity by Country (2020-2031)

11.3.2 Middle East & Africa Semiconductor Grade Ion Exchange Resins Consumption

Value by Country (2020-2031)

11.3.3 Turkey Market Size and Forecast (2020-2031)

11.3.4 Egypt Market Size and Forecast (2020-2031)

11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)

11.3.6 South Africa Market Size and Forecast (2020-2031)

12 MARKET DYNAMICS

12.1 Semiconductor Grade Ion Exchange Resins Market Drivers

12.2 Semiconductor Grade Ion Exchange Resins Market Restraints

12.3 Semiconductor Grade Ion Exchange Resins Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Semiconductor Grade Ion Exchange Resins and Key Manufacturers

13.2 Manufacturing Costs Percentage of Semiconductor Grade Ion Exchange Resins

13.3 Semiconductor Grade Ion Exchange Resins Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Semiconductor Grade Ion Exchange Resins Typical Distributors

14.3 Semiconductor Grade Ion Exchange Resins Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Semiconductor Grade Ion Exchange Resins Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global Semiconductor Grade Ion Exchange Resins Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. DuPont Basic Information, Manufacturing Base and Competitors

Table 4. DuPont Major Business

Table 5. DuPont Semiconductor Grade Ion Exchange Resins Product and Services

Table 6. DuPont Semiconductor Grade Ion Exchange Resins Sales Quantity (Tons), Average Price (USD/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. DuPont Recent Developments/Updates

Table 8. Lanxess Basic Information, Manufacturing Base and Competitors

Table 9. Lanxess Major Business

Table 10. Lanxess Semiconductor Grade Ion Exchange Resins Product and Services

Table 11. Lanxess Semiconductor Grade Ion Exchange Resins Sales Quantity (Tons), Average Price (USD/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. Lanxess Recent Developments/Updates

Table 13. Mitsubishi Chemical Basic Information, Manufacturing Base and Competitors

Table 14. Mitsubishi Chemical Major Business

Table 15. Mitsubishi Chemical Semiconductor Grade Ion Exchange Resins Product and Services

Table 16. Mitsubishi Chemical Semiconductor Grade Ion Exchange Resins Sales Quantity (Tons), Average Price (USD/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. Mitsubishi Chemical Recent Developments/Updates

Table 18. Samyang Basic Information, Manufacturing Base and Competitors

Table 19. Samyang Major Business

Table 20. Samyang Semiconductor Grade Ion Exchange Resins Product and Services

Table 21. Samyang Semiconductor Grade Ion Exchange Resins Sales Quantity (Tons), Average Price (USD/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. Samyang Recent Developments/Updates

Table 23. Purolite (Ecolab) Basic Information, Manufacturing Base and Competitors

Table 24. Purolite (Ecolab) Major Business

Table 25. Purolite (Ecolab) Semiconductor Grade Ion Exchange Resins Product and Services

Table 26. Purolite (Ecolab) Semiconductor Grade Ion Exchange Resins Sales Quantity (Tons), Average Price (USD/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 27. Purolite (Ecolab) Recent Developments/Updates

Table 28. Jacobi (Osaka Gas Chemicals) Basic Information, Manufacturing Base and Competitors

Table 29. Jacobi (Osaka Gas Chemicals) Major Business

Table 30. Jacobi (Osaka Gas Chemicals) Semiconductor Grade Ion Exchange Resins Product and Services

Table 31. Jacobi (Osaka Gas Chemicals) Semiconductor Grade Ion Exchange Resins Sales Quantity (Tons), Average Price (USD/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. Jacobi (Osaka Gas Chemicals) Recent Developments/Updates

Table 33. Thermax Basic Information, Manufacturing Base and Competitors

Table 34. Thermax Major Business

Table 35. Thermax Semiconductor Grade Ion Exchange Resins Product and Services

Table 36. Thermax Semiconductor Grade Ion Exchange Resins Sales Quantity (Tons), Average Price (USD/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 37. Thermax Recent Developments/Updates

Table 38. ResinTech Basic Information, Manufacturing Base and Competitors

Table 39. ResinTech Major Business

Table 40. ResinTech Semiconductor Grade Ion Exchange Resins Product and Services

Table 41. ResinTech Semiconductor Grade Ion Exchange Resins Sales Quantity (Tons), Average Price (USD/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 42. ResinTech Recent Developments/Updates

Table 43. Ovivo (SKion Water) Basic Information, Manufacturing Base and Competitors

Table 44. Ovivo (SKion Water) Major Business

Table 45. Ovivo (SKion Water) Semiconductor Grade Ion Exchange Resins Product and Services

Table 46. Ovivo (SKion Water) Semiconductor Grade Ion Exchange Resins Sales Quantity (Tons), Average Price (USD/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 47. Ovivo (SKion Water) Recent Developments/Updates

Table 48. Suqing Group Basic Information, Manufacturing Base and Competitors

Table 49. Suqing Group Major Business

Table 50. Suqing Group Semiconductor Grade Ion Exchange Resins Product and Services

Table 51. Suqing Group Semiconductor Grade Ion Exchange Resins Sales Quantity (Tons), Average Price (USD/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 52. Suqing Group Recent Developments/Updates

Table 53. Hebi Higer Chemical Basic Information, Manufacturing Base and Competitors

Table 54. Hebi Higer Chemical Major Business

Table 55. Hebi Higer Chemical Semiconductor Grade Ion Exchange Resins Product and Services

Table 56. Hebi Higer Chemical Semiconductor Grade Ion Exchange Resins Sales Quantity (Tons), Average Price (USD/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 57. Hebi Higer Chemical Recent Developments/Updates

Table 58. Ningbo Zhengguang Resin Basic Information, Manufacturing Base and Competitors

Table 59. Ningbo Zhengguang Resin Major Business

Table 60. Ningbo Zhengguang Resin Semiconductor Grade Ion Exchange Resins Product and Services

Table 61. Ningbo Zhengguang Resin Semiconductor Grade Ion Exchange Resins Sales Quantity (Tons), Average Price (USD/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 62. Ningbo Zhengguang Resin Recent Developments/Updates

Table 63. Jiangsu Linhai Resin Technology Basic Information, Manufacturing Base and Competitors

Table 64. Jiangsu Linhai Resin Technology Major Business

Table 65. Jiangsu Linhai Resin Technology Semiconductor Grade Ion Exchange Resins Product and Services

Table 66. Jiangsu Linhai Resin Technology Semiconductor Grade Ion Exchange Resins Sales Quantity (Tons), Average Price (USD/Ton), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 67. Jiangsu Linhai Resin Technology Recent Developments/Updates

Table 68. Bengbu Dongli Chemical Basic Information, Manufacturing Base and Competitors

Table 69. Bengbu Dongli Chemical Major Business

Table 70. Bengbu Dongli Chemical Semiconductor Grade Ion Exchange Resins Product and Services

Table 71. Bengbu Dongli Chemical Semiconductor Grade Ion Exchange Resins Sales Quantity (Tons), Average Price (USD/Ton), Revenue (USD Million), Gross Margin and

Market Share (2020-2025)

Table 72. Bengbu Dongli Chemical Recent Developments/Updates

Table 73. Global Semiconductor Grade Ion Exchange Resins Sales Quantity by Manufacturer (2020-2025) & (Tons)

Table 74. Global Semiconductor Grade Ion Exchange Resins Revenue by Manufacturer (2020-2025) & (USD Million)

Table 75. Global Semiconductor Grade Ion Exchange Resins Average Price by Manufacturer (2020-2025) & (USD/Ton)

Table 76. Market Position of Manufacturers in Semiconductor Grade Ion Exchange Resins, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024

Table 77. Head Office and Semiconductor Grade Ion Exchange Resins Production Site of Key Manufacturer

Table 78. Semiconductor Grade Ion Exchange Resins Market: Company Product Type Footprint

Table 79. Semiconductor Grade Ion Exchange Resins Market: Company Product Application Footprint

Table 80. Semiconductor Grade Ion Exchange Resins New Market Entrants and Barriers to Market Entry

Table 81. Semiconductor Grade Ion Exchange Resins Mergers, Acquisition, Agreements, and Collaborations

Table 82. Global Semiconductor Grade Ion Exchange Resins Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR

Table 83. Global Semiconductor Grade Ion Exchange Resins Sales Quantity by Region (2020-2025) & (Tons)

Table 84. Global Semiconductor Grade Ion Exchange Resins Sales Quantity by Region (2026-2031) & (Tons)

Table 85. Global Semiconductor Grade Ion Exchange Resins Consumption Value by Region (2020-2025) & (USD Million)

Table 86. Global Semiconductor Grade Ion Exchange Resins Consumption Value by Region (2026-2031) & (USD Million)

Table 87. Global Semiconductor Grade Ion Exchange Resins Average Price by Region (2020-2025) & (USD/Ton)

Table 88. Global Semiconductor Grade Ion Exchange Resins Average Price by Region (2026-2031) & (USD/Ton)

Table 89. Global Semiconductor Grade Ion Exchange Resins Sales Quantity by Type (2020-2025) & (Tons)

Table 90. Global Semiconductor Grade Ion Exchange Resins Sales Quantity by Type (2026-2031) & (Tons)

Table 91. Global Semiconductor Grade Ion Exchange Resins Consumption Value by

Type (2020-2025) & (USD Million)

Table 92. Global Semiconductor Grade Ion Exchange Resins Consumption Value by Type (2026-2031) & (USD Million)

Table 93. Global Semiconductor Grade Ion Exchange Resins Average Price by Type (2020-2025) & (USD/Ton)

Table 94. Global Semiconductor Grade Ion Exchange Resins Average Price by Type (2026-2031) & (USD/Ton)

Table 95. Global Semiconductor Grade Ion Exchange Resins Sales Quantity by Application (2020-2025) & (Tons)

Table 96. Global Semiconductor Grade Ion Exchange Resins Sales Quantity by Application (2026-2031) & (Tons)

Table 97. Global Semiconductor Grade Ion Exchange Resins Consumption Value by Application (2020-2025) & (USD Million)

Table 98. Global Semiconductor Grade Ion Exchange Resins Consumption Value by Application (2026-2031) & (USD Million)

Table 99. Global Semiconductor Grade Ion Exchange Resins Average Price by Application (2020-2025) & (USD/Ton)

Table 100. Global Semiconductor Grade Ion Exchange Resins Average Price by Application (2026-2031) & (USD/Ton)

Table 101. North America Semiconductor Grade Ion Exchange Resins Sales Quantity by Type (2020-2025) & (Tons)

Table 102. North America Semiconductor Grade Ion Exchange Resins Sales Quantity by Type (2026-2031) & (Tons)

Table 103. North America Semiconductor Grade Ion Exchange Resins Sales Quantity by Application (2020-2025) & (Tons)

Table 104. North America Semiconductor Grade Ion Exchange Resins Sales Quantity by Application (2026-2031) & (Tons)

Table 105. North America Semiconductor Grade Ion Exchange Resins Sales Quantity by Country (2020-2025) & (Tons)

Table 106. North America Semiconductor Grade Ion Exchange Resins Sales Quantity by Country (2026-2031) & (Tons)

Table 107. North America Semiconductor Grade Ion Exchange Resins Consumption Value by Country (2020-2025) & (USD Million)

Table 108. North America Semiconductor Grade Ion Exchange Resins Consumption Value by Country (2026-2031) & (USD Million)

Table 109. Europe Semiconductor Grade Ion Exchange Resins Sales Quantity by Type (2020-2025) & (Tons)

Table 110. Europe Semiconductor Grade Ion Exchange Resins Sales Quantity by Type (2026-2031) & (Tons)

Table 111. Europe Semiconductor Grade Ion Exchange Resins Sales Quantity by Application (2020-2025) & (Tons)

Table 112. Europe Semiconductor Grade Ion Exchange Resins Sales Quantity by Application (2026-2031) & (Tons)

Table 113. Europe Semiconductor Grade Ion Exchange Resins Sales Quantity by Country (2020-2025) & (Tons)

Table 114. Europe Semiconductor Grade Ion Exchange Resins Sales Quantity by Country (2026-2031) & (Tons)

Table 115. Europe Semiconductor Grade Ion Exchange Resins Consumption Value by Country (2020-2025) & (USD Million)

Table 116. Europe Semiconductor Grade Ion Exchange Resins Consumption Value by Country (2026-2031) & (USD Million)

Table 117. Asia-Pacific Semiconductor Grade Ion Exchange Resins Sales Quantity by Type (2020-2025) & (Tons)

Table 118. Asia-Pacific Semiconductor Grade Ion Exchange Resins Sales Quantity by Type (2026-2031) & (Tons)

Table 119. Asia-Pacific Semiconductor Grade Ion Exchange Resins Sales Quantity by Application (2020-2025) & (Tons)

Table 120. Asia-Pacific Semiconductor Grade Ion Exchange Resins Sales Quantity by Application (2026-2031) & (Tons)

Table 121. Asia-Pacific Semiconductor Grade Ion Exchange Resins Sales Quantity by Region (2020-2025) & (Tons)

Table 122. Asia-Pacific Semiconductor Grade Ion Exchange Resins Sales Quantity by Region (2026-2031) & (Tons)

Table 123. Asia-Pacific Semiconductor Grade Ion Exchange Resins Consumption Value by Region (2020-2025) & (USD Million)

Table 124. Asia-Pacific Semiconductor Grade Ion Exchange Resins Consumption Value by Region (2026-2031) & (USD Million)

Table 125. South America Semiconductor Grade Ion Exchange Resins Sales Quantity by Type (2020-2025) & (Tons)

Table 126. South America Semiconductor Grade Ion Exchange Resins Sales Quantity by Type (2026-2031) & (Tons)

Table 127. South America Semiconductor Grade Ion Exchange Resins Sales Quantity by Application (2020-2025) & (Tons)

Table 128. South America Semiconductor Grade Ion Exchange Resins Sales Quantity by Application (2026-2031) & (Tons)

Table 129. South America Semiconductor Grade Ion Exchange Resins Sales Quantity by Country (2020-2025) & (Tons)

Table 130. South America Semiconductor Grade Ion Exchange Resins Sales Quantity

by Country (2026-2031) & (Tons)

Table 131. South America Semiconductor Grade Ion Exchange Resins Consumption Value by Country (2020-2025) & (USD Million)

Table 132. South America Semiconductor Grade Ion Exchange Resins Consumption Value by Country (2026-2031) & (USD Million)

Table 133. Middle East & Africa Semiconductor Grade Ion Exchange Resins Sales Quantity by Type (2020-2025) & (Tons)

Table 134. Middle East & Africa Semiconductor Grade Ion Exchange Resins Sales Quantity by Type (2026-2031) & (Tons)

Table 135. Middle East & Africa Semiconductor Grade Ion Exchange Resins Sales Quantity by Application (2020-2025) & (Tons)

Table 136. Middle East & Africa Semiconductor Grade Ion Exchange Resins Sales Quantity by Application (2026-2031) & (Tons)

Table 137. Middle East & Africa Semiconductor Grade Ion Exchange Resins Sales Quantity by Country (2020-2025) & (Tons)

Table 138. Middle East & Africa Semiconductor Grade Ion Exchange Resins Sales Quantity by Country (2026-2031) & (Tons)

Table 139. Middle East & Africa Semiconductor Grade Ion Exchange Resins Consumption Value by Country (2020-2025) & (USD Million)

Table 140. Middle East & Africa Semiconductor Grade Ion Exchange Resins Consumption Value by Country (2026-2031) & (USD Million)

Table 141. Semiconductor Grade Ion Exchange Resins Raw Material

Table 142. Key Manufacturers of Semiconductor Grade Ion Exchange Resins Raw Materials

Table 143. Semiconductor Grade Ion Exchange Resins Typical Distributors

Table 144. Semiconductor Grade Ion Exchange Resins Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Semiconductor Grade Ion Exchange Resins Picture

Figure 2. Global Semiconductor Grade Ion Exchange Resins Revenue by Type, (USD Million), 2020 & 2024 & 2031

Figure 3. Global Semiconductor Grade Ion Exchange Resins Revenue Market Share by Type in 2024

Figure 4. Anion Exchange Resin Examples

Figure 5. Cation Exchange Resin Examples

Figure 6. Global Semiconductor Grade Ion Exchange Resins Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Figure 7. Global Semiconductor Grade Ion Exchange Resins Revenue Market Share by Application in 2024

Figure 8. Ultrapure Water Production Examples

Figure 9. Semiconductor Wastewater Treatment Examples

Figure 10. Others Examples

Figure 11. Global Semiconductor Grade Ion Exchange Resins Consumption Value, (USD Million): 2020 & 2024 & 2031

Figure 12. Global Semiconductor Grade Ion Exchange Resins Consumption Value and Forecast (2020-2031) & (USD Million)

Figure 13. Global Semiconductor Grade Ion Exchange Resins Sales Quantity (2020-2031) & (Tons)

Figure 14. Global Semiconductor Grade Ion Exchange Resins Price (2020-2031) & (USD/Ton)

Figure 15. Global Semiconductor Grade Ion Exchange Resins Sales Quantity Market Share by Manufacturer in 2024

Figure 16. Global Semiconductor Grade Ion Exchange Resins Revenue Market Share by Manufacturer in 2024

Figure 17. Producer Shipments of Semiconductor Grade Ion Exchange Resins by Manufacturer Sales (\$MM) and Market Share (%): 2024

Figure 18. Top 3 Semiconductor Grade Ion Exchange Resins Manufacturer (Revenue) Market Share in 2024

Figure 19. Top 6 Semiconductor Grade Ion Exchange Resins Manufacturer (Revenue) Market Share in 2024

Figure 20. Global Semiconductor Grade Ion Exchange Resins Sales Quantity Market Share by Region (2020-2031)

Figure 21. Global Semiconductor Grade Ion Exchange Resins Consumption Value

Market Share by Region (2020-2031)

Figure 22. North America Semiconductor Grade Ion Exchange Resins Consumption Value (2020-2031) & (USD Million)

Figure 23. Europe Semiconductor Grade Ion Exchange Resins Consumption Value (2020-2031) & (USD Million)

Figure 24. Asia-Pacific Semiconductor Grade Ion Exchange Resins Consumption Value (2020-2031) & (USD Million)

Figure 25. South America Semiconductor Grade Ion Exchange Resins Consumption Value (2020-2031) & (USD Million)

Figure 26. Middle East & Africa Semiconductor Grade Ion Exchange Resins Consumption Value (2020-2031) & (USD Million)

Figure 27. Global Semiconductor Grade Ion Exchange Resins Sales Quantity Market Share by Type (2020-2031)

Figure 28. Global Semiconductor Grade Ion Exchange Resins Consumption Value Market Share by Type (2020-2031)

Figure 29. Global Semiconductor Grade Ion Exchange Resins Average Price by Type (2020-2031) & (USD/Ton)

Figure 30. Global Semiconductor Grade Ion Exchange Resins Sales Quantity Market Share by Application (2020-2031)

Figure 31. Global Semiconductor Grade Ion Exchange Resins Revenue Market Share by Application (2020-2031)

Figure 32. Global Semiconductor Grade Ion Exchange Resins Average Price by Application (2020-2031) & (USD/Ton)

Figure 33. North America Semiconductor Grade Ion Exchange Resins Sales Quantity Market Share by Type (2020-2031)

Figure 34. North America Semiconductor Grade Ion Exchange Resins Sales Quantity Market Share by Application (2020-2031)

Figure 35. North America Semiconductor Grade Ion Exchange Resins Sales Quantity Market Share by Country (2020-2031)

Figure 36. North America Semiconductor Grade Ion Exchange Resins Consumption Value Market Share by Country (2020-2031)

Figure 37. United States Semiconductor Grade Ion Exchange Resins Consumption Value (2020-2031) & (USD Million)

Figure 38. Canada Semiconductor Grade Ion Exchange Resins Consumption Value (2020-2031) & (USD Million)

Figure 39. Mexico Semiconductor Grade Ion Exchange Resins Consumption Value (2020-2031) & (USD Million)

Figure 40. Europe Semiconductor Grade Ion Exchange Resins Sales Quantity Market Share by Type (2020-2031)

Figure 41. Europe Semiconductor Grade Ion Exchange Resins Sales Quantity Market Share by Application (2020-2031)

Figure 42. Europe Semiconductor Grade Ion Exchange Resins Sales Quantity Market Share by Country (2020-2031)

Figure 43. Europe Semiconductor Grade Ion Exchange Resins Consumption Value Market Share by Country (2020-2031)

Figure 44. Germany Semiconductor Grade Ion Exchange Resins Consumption Value (2020-2031) & (USD Million)

Figure 45. France Semiconductor Grade Ion Exchange Resins Consumption Value (2020-2031) & (USD Million)

Figure 46. United Kingdom Semiconductor Grade Ion Exchange Resins Consumption Value (2020-2031) & (USD Million)

Figure 47. Russia Semiconductor Grade Ion Exchange Resins Consumption Value (2020-2031) & (USD Million)

Figure 48. Italy Semiconductor Grade Ion Exchange Resins Consumption Value (2020-2031) & (USD Million)

Figure 49. Asia-Pacific Semiconductor Grade Ion Exchange Resins Sales Quantity Market Share by Type (2020-2031)

Figure 50. Asia-Pacific Semiconductor Grade Ion Exchange Resins Sales Quantity Market Share by Application (2020-2031)

Figure 51. Asia-Pacific Semiconductor Grade Ion Exchange Resins Sales Quantity Market Share by Region (2020-2031)

Figure 52. Asia-Pacific Semiconductor Grade Ion Exchange Resins Consumption Value Market Share by Region (2020-2031)

Figure 53. China Semiconductor Grade Ion Exchange Resins Consumption Value (2020-2031) & (USD Million)

Figure 54. Japan Semiconductor Grade Ion Exchange Resins Consumption Value (2020-2031) & (USD Million)

Figure 55. South Korea Semiconductor Grade Ion Exchange Resins Consumption Value (2020-2031) & (USD Million)

Figure 56. India Semiconductor Grade Ion Exchange Resins Consumption Value (2020-2031) & (USD Million)

Figure 57. Southeast Asia Semiconductor Grade Ion Exchange Resins Consumption Value (2020-2031) & (USD Million)

Figure 58. Australia Semiconductor Grade Ion Exchange Resins Consumption Value (2020-2031) & (USD Million)

Figure 59. South America Semiconductor Grade Ion Exchange Resins Sales Quantity Market Share by Type (2020-2031)

Figure 60. South America Semiconductor Grade Ion Exchange Resins Sales Quantity

Market Share by Application (2020-2031)

Figure 61. South America Semiconductor Grade Ion Exchange Resins Sales Quantity

Market Share by Country (2020-2031)

Figure 62. South America Semiconductor Grade Ion Exchange Resins Consumption

Value Market Share by Country (2020-2031)

Figure 63. Brazil Semiconductor Grade Ion Exchange Resins Consumption Value
(2020-2031) & (USD Million)

Figure 64. Argentina Semiconductor Grade Ion Exchange Resins Consumption Value
(2020-2031) & (USD Million)

Figure 65. Middle East & Africa Semiconductor Grade Ion Exchange Resins Sales
Quantity Market Share by Type (2020-2031)

Figure 66. Middle East & Africa Semiconductor Grade Ion Exchange Resins Sales
Quantity Market Share by Application (2020-2031)

Figure 67. Middle East & Africa Semiconductor Grade Ion Exchange Resins Sales
Quantity Market Share by Country (2020-2031)

Figure 68. Middle East & Africa Semiconductor Grade Ion Exchange Resins
Consumption Value Market Share by Country (2020-2031)

Figure 69. Turkey Semiconductor Grade Ion Exchange Resins Consumption Value
(2020-2031) & (USD Million)

Figure 70. Egypt Semiconductor Grade Ion Exchange Resins Consumption Value
(2020-2031) & (USD Million)

Figure 71. Saudi Arabia Semiconductor Grade Ion Exchange Resins Consumption
Value (2020-2031) & (USD Million)

Figure 72. South Africa Semiconductor Grade Ion Exchange Resins Consumption Value
(2020-2031) & (USD Million)

Figure 73. Semiconductor Grade Ion Exchange Resins Market Drivers

Figure 74. Semiconductor Grade Ion Exchange Resins Market Restraints

Figure 75. Semiconductor Grade Ion Exchange Resins Market Trends

Figure 76. Porters Five Forces Analysis

Figure 77. Manufacturing Cost Structure Analysis of Semiconductor Grade Ion
Exchange Resins in 2024

Figure 78. Manufacturing Process Analysis of Semiconductor Grade Ion Exchange
Resins

Figure 79. Semiconductor Grade Ion Exchange Resins Industrial Chain

Figure 80. Sales Channel: Direct to End-User vs Distributors

Figure 81. Direct Channel Pros & Cons

Figure 82. Indirect Channel Pros & Cons

Figure 83. Methodology

Figure 84. Research Process and Data Source

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