

Global LED Encapsulants Market Research Report 2025(Status and Outlook)

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Abstracts

Report Overview

LED encapsulants are materials used to protect and enhance the performance of Light Emitting Diodes (LEDs). These materials are typically transparent or translucent and are applied to the LED chip to provide protection against environmental factors such as moisture, dust, and mechanical stress. LED encapsulants also help to improve the light output, thermal management, and overall reliability of the LED. They play a crucial role in ensuring the longevity and efficiency of LED lighting systems across various applications including automotive, consumer electronics, general lighting, and signage.

The market for LED encapsulants is experiencing significant growth driven by the increasing adoption of LED lighting solutions across various industries. The growing demand for energy-efficient lighting systems, stringent government regulations promoting the use of LEDs, and the rising awareness about the benefits of LED technology are key factors driving the market. In addition, technological advancements leading to the development of high-performance encapsulants, as well as the expanding applications of LEDs in areas such as automotive lighting and displays, are further fueling market growth. Overall, the LED encapsulants market is expected to continue expanding as the LED industry evolves and the demand for efficient and durable lighting solutions increases.

This report provides a deep insight into the global LED Encapsulants market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global LED Encapsulants Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the LED Encapsulants market in any manner.

Global LED Encapsulants Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company

Dow

Shin-Etsu Chemical

Momentive

Henkel

Nagase

H.B. Fuller

Wacker Chemie AG

Nitto Denko Corporation

Nusil

Hitachi Chemical

Quantum Silicones (CHT)

SolEpoxy

Epic Resins

Market Segmentation (by Type)

Epoxides

Polyimides

Silicones (RTV, gel, etc.)

Market Segmentation (by Application)

Consumer Electronics

Automotive

Architectural Lighting

Others

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the LED Encapsulants Market

Overview of the regional outlook of the LED Encapsulants Market:

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division

standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the LED Encapsulants Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development

potential of each market segment (product type and application) in the next five years.

Chapter 12 is the main points and conclusions of the report.

Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of LED Encapsulants
- 1.2 Key Market Segments
 - 1.2.1 LED Encapsulants Segment by Type
 - 1.2.2 LED Encapsulants Segment by Application
- 1.3 Methodology & Sources of Information
 - 1.3.1 Research Methodology
 - 1.3.2 Research Process
 - 1.3.3 Market Breakdown and Data Triangulation
 - 1.3.4 Base Year
 - 1.3.5 Report Assumptions & Caveats

2 LED ENCAPSULANTS MARKET OVERVIEW

- 2.1 Global Market Overview
 - 2.1.1 Global LED Encapsulants Market Size (M USD) Estimates and Forecasts (2020-2033)
 - 2.1.2 Global LED Encapsulants Sales Estimates and Forecasts (2020-2033)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

3 LED ENCAPSULANTS MARKET COMPETITIVE LANDSCAPE

- 3.1 Company Assessment Quadrant
- 3.2 Global LED Encapsulants Product Life Cycle
- 3.3 Global LED Encapsulants Sales by Manufacturers (2020-2025)
- 3.4 Global LED Encapsulants Revenue Market Share by Manufacturers (2020-2025)
- 3.5 LED Encapsulants Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.6 Global LED Encapsulants Average Price by Manufacturers (2020-2025)
- 3.7 Manufacturers LED Encapsulants Manufacturing Sites, Area Served, Product Type
- 3.8 LED Encapsulants Market Competitive Situation and Trends
 - 3.8.1 LED Encapsulants Market Concentration Rate
 - 3.8.2 Global 5 and 10 Largest LED Encapsulants Players Market Share by Revenue
 - 3.8.3 Mergers & Acquisitions, Expansion

4 LED ENCAPSULANTS INDUSTRY CHAIN ANALYSIS

- 4.1 LED Encapsulants Industry Chain Analysis
- 4.2 Market Overview of Key Raw Materials
- 4.3 Midstream Market Analysis
- 4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF LED ENCAPSULANTS MARKET

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Industry News
 - 5.4.1 New Product Developments
 - 5.4.2 Mergers & Acquisitions
 - 5.4.3 Expansions
 - 5.4.4 Collaboration/Supply Contracts
- 5.5 PEST Analysis
 - 5.5.1 Industry Policies Analysis
 - 5.5.2 Economic Environment Analysis
 - 5.5.3 Social Environment Analysis
 - 5.5.4 Technological Environment Analysis
- 5.6 Global LED Encapsulants Market Porter's Five Forces Analysis
 - 5.6.1 Global Trade Frictions
 - 5.6.2 Global Trade Frictions and Their Impacts to LED Encapsulants Market
- 5.7 ESG Ratings of Leading Companies

6 LED ENCAPSULANTS MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global LED Encapsulants Sales Market Share by Type (2020-2025)
- 6.3 Global LED Encapsulants Market Size Market Share by Type (2020-2025)
- 6.4 Global LED Encapsulants Price by Type (2020-2025)

7 LED ENCAPSULANTS MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global LED Encapsulants Market Sales by Application (2020-2025)
- 7.3 Global LED Encapsulants Market Size (M USD) by Application (2020-2025)
- 7.4 Global LED Encapsulants Sales Growth Rate by Application (2020-2025)

8 LED ENCAPSULANTS MARKET SALES BY REGION

8.1 Global LED Encapsulants Sales by Region

8.1.1 Global LED Encapsulants Sales by Region

8.1.2 Global LED Encapsulants Sales Market Share by Region

8.2 Global LED Encapsulants Market Size by Region

8.2.1 Global LED Encapsulants Market Size by Region

8.2.2 Global LED Encapsulants Market Size Market Share by Region

8.3 North America

8.3.1 North America LED Encapsulants Sales by Country

8.3.2 North America LED Encapsulants Market Size by Country

8.3.3 U.S. Market Overview

8.3.4 Canada Market Overview

8.3.5 Mexico Market Overview

8.4 Europe

8.4.1 Europe LED Encapsulants Sales by Country

8.4.2 Europe LED Encapsulants Market Size by Country

8.4.3 Germany Market Overview

8.4.4 France Market Overview

8.4.5 U.K. Market Overview

8.4.6 Italy Market Overview

8.4.7 Spain Market Overview

8.5 Asia Pacific

8.5.1 Asia Pacific LED Encapsulants Sales by Region

8.5.2 Asia Pacific LED Encapsulants Market Size by Region

8.5.3 China Market Overview

8.5.4 Japan Market Overview

8.5.5 South Korea Market Overview

8.5.6 India Market Overview

8.5.7 Southeast Asia Market Overview

8.6 South America

8.6.1 South America LED Encapsulants Sales by Country

8.6.2 South America LED Encapsulants Market Size by Country

8.6.3 Brazil Market Overview

8.6.4 Argentina Market Overview

8.6.5 Columbia Market Overview

8.7 Middle East and Africa

8.7.1 Middle East and Africa LED Encapsulants Sales by Region

8.7.2 Middle East and Africa LED Encapsulants Market Size by Region

8.7.3 Saudi Arabia Market Overview

8.7.4 UAE Market Overview

8.7.5 Egypt Market Overview

8.7.6 Nigeria Market Overview

8.7.7 South Africa Market Overview

9 LED ENCAPSULANTS MARKET PRODUCTION BY REGION

9.1 Global Production of LED Encapsulants by Region(2020-2025)

9.2 Global LED Encapsulants Revenue Market Share by Region (2020-2025)

9.3 Global LED Encapsulants Production, Revenue, Price and Gross Margin (2020-2025)

9.4 North America LED Encapsulants Production

9.4.1 North America LED Encapsulants Production Growth Rate (2020-2025)

9.4.2 North America LED Encapsulants Production, Revenue, Price and Gross Margin (2020-2025)

9.5 Europe LED Encapsulants Production

9.5.1 Europe LED Encapsulants Production Growth Rate (2020-2025)

9.5.2 Europe LED Encapsulants Production, Revenue, Price and Gross Margin (2020-2025)

9.6 Japan LED Encapsulants Production (2020-2025)

9.6.1 Japan LED Encapsulants Production Growth Rate (2020-2025)

9.6.2 Japan LED Encapsulants Production, Revenue, Price and Gross Margin (2020-2025)

9.7 China LED Encapsulants Production (2020-2025)

9.7.1 China LED Encapsulants Production Growth Rate (2020-2025)

9.7.2 China LED Encapsulants Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

10.1 Dow

10.1.1 Dow Basic Information

10.1.2 Dow LED Encapsulants Product Overview

10.1.3 Dow LED Encapsulants Product Market Performance

10.1.4 Dow Business Overview

10.1.5 Dow SWOT Analysis

10.1.6 Dow Recent Developments

10.2 Shin-Etsu Chemical

10.2.1 Shin-Etsu Chemical Basic Information

10.2.2 Shin-Etsu Chemical LED Encapsulants Product Overview

10.2.3 Shin-Etsu Chemical LED Encapsulants Product Market Performance

10.2.4 Shin-Etsu Chemical Business Overview

10.2.5 Shin-Etsu Chemical SWOT Analysis

10.2.6 Shin-Etsu Chemical Recent Developments

10.3 Momentive

10.3.1 Momentive Basic Information

10.3.2 Momentive LED Encapsulants Product Overview

10.3.3 Momentive LED Encapsulants Product Market Performance

10.3.4 Momentive Business Overview

10.3.5 Momentive SWOT Analysis

10.3.6 Momentive Recent Developments

10.4 Henkel

10.4.1 Henkel Basic Information

10.4.2 Henkel LED Encapsulants Product Overview

10.4.3 Henkel LED Encapsulants Product Market Performance

10.4.4 Henkel Business Overview

10.4.5 Henkel Recent Developments

10.5 Nagase

10.5.1 Nagase Basic Information

10.5.2 Nagase LED Encapsulants Product Overview

10.5.3 Nagase LED Encapsulants Product Market Performance

10.5.4 Nagase Business Overview

10.5.5 Nagase Recent Developments

10.6 H.B. Fuller

10.6.1 H.B. Fuller Basic Information

10.6.2 H.B. Fuller LED Encapsulants Product Overview

10.6.3 H.B. Fuller LED Encapsulants Product Market Performance

10.6.4 H.B. Fuller Business Overview

10.6.5 H.B. Fuller Recent Developments

10.7 Wacker Chemie AG

10.7.1 Wacker Chemie AG Basic Information

10.7.2 Wacker Chemie AG LED Encapsulants Product Overview

10.7.3 Wacker Chemie AG LED Encapsulants Product Market Performance

10.7.4 Wacker Chemie AG Business Overview

10.7.5 Wacker Chemie AG Recent Developments

10.8 Nitto Denko Corporation

- 10.8.1 Nitto Denko Corporation Basic Information
- 10.8.2 Nitto Denko Corporation LED Encapsulants Product Overview
- 10.8.3 Nitto Denko Corporation LED Encapsulants Product Market Performance
- 10.8.4 Nitto Denko Corporation Business Overview
- 10.8.5 Nitto Denko Corporation Recent Developments
- 10.9 Nupil
 - 10.9.1 Nupil Basic Information
 - 10.9.2 Nupil LED Encapsulants Product Overview
 - 10.9.3 Nupil LED Encapsulants Product Market Performance
 - 10.9.4 Nupil Business Overview
 - 10.9.5 Nupil Recent Developments
- 10.10 Hitachi Chemical
 - 10.10.1 Hitachi Chemical Basic Information
 - 10.10.2 Hitachi Chemical LED Encapsulants Product Overview
 - 10.10.3 Hitachi Chemical LED Encapsulants Product Market Performance
 - 10.10.4 Hitachi Chemical Business Overview
 - 10.10.5 Hitachi Chemical Recent Developments
- 10.11 Quantum Silicones (CHT)
 - 10.11.1 Quantum Silicones (CHT) Basic Information
 - 10.11.2 Quantum Silicones (CHT) LED Encapsulants Product Overview
 - 10.11.3 Quantum Silicones (CHT) LED Encapsulants Product Market Performance
 - 10.11.4 Quantum Silicones (CHT) Business Overview
 - 10.11.5 Quantum Silicones (CHT) Recent Developments
- 10.12 SolEpoxy
 - 10.12.1 SolEpoxy Basic Information
 - 10.12.2 SolEpoxy LED Encapsulants Product Overview
 - 10.12.3 SolEpoxy LED Encapsulants Product Market Performance
 - 10.12.4 SolEpoxy Business Overview
 - 10.12.5 SolEpoxy Recent Developments
- 10.13 Epic Resins
 - 10.13.1 Epic Resins Basic Information
 - 10.13.2 Epic Resins LED Encapsulants Product Overview
 - 10.13.3 Epic Resins LED Encapsulants Product Market Performance
 - 10.13.4 Epic Resins Business Overview
 - 10.13.5 Epic Resins Recent Developments

11 LED ENCAPSULANTS MARKET FORECAST BY REGION

11.1 Global LED Encapsulants Market Size Forecast

11.2 Global LED Encapsulants Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe LED Encapsulants Market Size Forecast by Country

11.2.3 Asia Pacific LED Encapsulants Market Size Forecast by Region

11.2.4 South America LED Encapsulants Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of LED Encapsulants by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2033)

12.1 Global LED Encapsulants Market Forecast by Type (2026-2033)

12.1.1 Global Forecasted Sales of LED Encapsulants by Type (2026-2033)

12.1.2 Global LED Encapsulants Market Size Forecast by Type (2026-2033)

12.1.3 Global Forecasted Price of LED Encapsulants by Type (2026-2033)

12.2 Global LED Encapsulants Market Forecast by Application (2026-2033)

12.2.1 Global LED Encapsulants Sales (K MT) Forecast by Application

12.2.2 Global LED Encapsulants Market Size (M USD) Forecast by Application (2026-2033)

13 CONCLUSION AND KEY FINDINGS

List of Tables

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Market Size (M USD) Segment Executive Summary

Table 4. LED Encapsulants Market Size Comparison by Region (M USD)

Table 5. Global LED Encapsulants Sales (K MT) by Manufacturers (2020-2025)

Table 6. Global LED Encapsulants Sales Market Share by Manufacturers (2020-2025)

Table 7. Global LED Encapsulants Revenue (M USD) by Manufacturers (2020-2025)

Table 8. Global LED Encapsulants Revenue Share by Manufacturers (2020-2025)

Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in LED Encapsulants as of 2024)

Table 10. Global Market LED Encapsulants Average Price (USD/MT) of Key Manufacturers (2020-2025)

Table 11. Manufacturers LED Encapsulants Manufacturing Sites and Area Served

Table 12. Manufacturers LED Encapsulants Product Type

Table 13. Global LED Encapsulants Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 14. Mergers & Acquisitions, Expansion Plans

Table 15. Market Overview of Key Raw Materials

Table 16. Midstream Market Analysis

Table 17. Downstream Customer Analysis
Table 18. Key Development Trends
Table 19. Driving Factors
Table 20. LED Encapsulants Market Challenges
Table 21. Goldman Sachs' forecast real GDP growth rate for 2024-2026
Table 22. S&P Global ' Forecast Real GDP Growth Rate For 2024-2027
Table 23. World Bank ' Forecast Real GDP Growth Rate For 2024-2026
Table 24. Global LED Encapsulants Sales by Type (K MT)
Table 25. Global LED Encapsulants Market Size by Type (M USD)
Table 26. Global LED Encapsulants Sales (K MT) by Type (2020-2025)
Table 27. Global LED Encapsulants Sales Market Share by Type (2020-2025)
Table 28. Global LED Encapsulants Market Size (M USD) by Type (2020-2025)
Table 29. Global LED Encapsulants Market Size Share by Type (2020-2025)
Table 30. Global LED Encapsulants Price (USD/MT) by Type (2020-2025)
Table 31. Global LED Encapsulants Sales (K MT) by Application
Table 32. Global LED Encapsulants Market Size by Application
Table 33. Global LED Encapsulants Sales by Application (2020-2025) & (K MT)
Table 34. Global LED Encapsulants Sales Market Share by Application (2020-2025)
Table 35. Global LED Encapsulants Market Size by Application (2020-2025) & (M USD)
Table 36. Global LED Encapsulants Market Share by Application (2020-2025)
Table 37. Global LED Encapsulants Sales Growth Rate by Application (2020-2025)
Table 38. Global LED Encapsulants Sales by Region (2020-2025) & (K MT)
Table 39. Global LED Encapsulants Sales Market Share by Region (2020-2025)
Table 40. Global LED Encapsulants Market Size by Region (2020-2025) & (M USD)
Table 41. Global LED Encapsulants Market Size Market Share by Region (2020-2025)
Table 42. North America LED Encapsulants Sales by Country (2020-2025) & (K MT)
Table 43. North America LED Encapsulants Market Size by Country (2020-2025) & (M USD)
Table 44. Europe LED Encapsulants Sales by Country (2020-2025) & (K MT)
Table 45. Europe LED Encapsulants Market Size by Country (2020-2025) & (M USD)
Table 46. Asia Pacific LED Encapsulants Sales by Region (2020-2025) & (K MT)
Table 47. Asia Pacific LED Encapsulants Market Size by Region (2020-2025) & (M USD)
Table 48. South America LED Encapsulants Sales by Country (2020-2025) & (K MT)
Table 49. South America LED Encapsulants Market Size by Country (2020-2025) & (M USD)
Table 50. Middle East and Africa LED Encapsulants Sales by Region (2020-2025) & (K MT)
Table 51. Middle East and Africa LED Encapsulants Market Size by Region

(2020-2025) & (M USD)

Table 52. Global LED Encapsulants Production (K MT) by Region(2020-2025)

Table 53. Global LED Encapsulants Revenue (US\$ Million) by Region (2020-2025)

Table 54. Global LED Encapsulants Revenue Market Share by Region (2020-2025)

Table 55. Global LED Encapsulants Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2020-2025)

Table 56. North America LED Encapsulants Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2020-2025)

Table 57. Europe LED Encapsulants Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2020-2025)

Table 58. Japan LED Encapsulants Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2020-2025)

Table 59. China LED Encapsulants Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2020-2025)

Table 60. Dow Basic Information

Table 61. Dow LED Encapsulants Product Overview

Table 62. Dow LED Encapsulants Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 63. Dow Business Overview

Table 64. Dow SWOT Analysis

Table 65. Dow Recent Developments

Table 66. Shin-Etsu Chemical Basic Information

Table 67. Shin-Etsu Chemical LED Encapsulants Product Overview

Table 68. Shin-Etsu Chemical LED Encapsulants Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 69. Shin-Etsu Chemical Business Overview

Table 70. Shin-Etsu Chemical SWOT Analysis

Table 71. Shin-Etsu Chemical Recent Developments

Table 72. Momenite Basic Information

Table 73. Momenite LED Encapsulants Product Overview

Table 74. Momenite LED Encapsulants Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 75. Momenite Business Overview

Table 76. Momenite SWOT Analysis

Table 77. Momenite Recent Developments

Table 78. Henkel Basic Information

Table 79. Henkel LED Encapsulants Product Overview

Table 80. Henkel LED Encapsulants Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 81. Henkel Business Overview

Table 82. Henkel Recent Developments

Table 83. Nagase Basic Information

Table 84. Nagase LED Encapsulants Product Overview

Table 85. Nagase LED Encapsulants Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 86. Nagase Business Overview

Table 87. Nagase Recent Developments

Table 88. H.B. Fuller Basic Information

Table 89. H.B. Fuller LED Encapsulants Product Overview

Table 90. H.B. Fuller LED Encapsulants Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 91. H.B. Fuller Business Overview

Table 92. H.B. Fuller Recent Developments

Table 93. Wacker Chemie AG Basic Information

Table 94. Wacker Chemie AG LED Encapsulants Product Overview

Table 95. Wacker Chemie AG LED Encapsulants Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 96. Wacker Chemie AG Business Overview

Table 97. Wacker Chemie AG Recent Developments

Table 98. Nitto Denko Corporation Basic Information

Table 99. Nitto Denko Corporation LED Encapsulants Product Overview

Table 100. Nitto Denko Corporation LED Encapsulants Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 101. Nitto Denko Corporation Business Overview

Table 102. Nitto Denko Corporation Recent Developments

Table 103. Nusil Basic Information

Table 104. Nusil LED Encapsulants Product Overview

Table 105. Nusil LED Encapsulants Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 106. Nusil Business Overview

Table 107. Nusil Recent Developments

Table 108. Hitachi Chemical Basic Information

Table 109. Hitachi Chemical LED Encapsulants Product Overview

Table 110. Hitachi Chemical LED Encapsulants Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 111. Hitachi Chemical Business Overview

Table 112. Hitachi Chemical Recent Developments

Table 113. Quantum Silicones (CHT) Basic Information

Table 114. Quantum Silicones (CHT) LED Encapsulants Product Overview
Table 115. Quantum Silicones (CHT) LED Encapsulants Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)
Table 116. Quantum Silicones (CHT) Business Overview
Table 117. Quantum Silicones (CHT) Recent Developments
Table 118. SolEpoxy Basic Information
Table 119. SolEpoxy LED Encapsulants Product Overview
Table 120. SolEpoxy LED Encapsulants Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)
Table 121. SolEpoxy Business Overview
Table 122. SolEpoxy Recent Developments
Table 123. Epic Resins Basic Information
Table 124. Epic Resins LED Encapsulants Product Overview
Table 125. Epic Resins LED Encapsulants Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)
Table 126. Epic Resins Business Overview
Table 127. Epic Resins Recent Developments
Table 128. Global LED Encapsulants Sales Forecast by Region (2026-2033) & (K MT)
Table 129. Global LED Encapsulants Market Size Forecast by Region (2026-2033) & (M USD)
Table 130. North America LED Encapsulants Sales Forecast by Country (2026-2033) & (K MT)
Table 131. North America LED Encapsulants Market Size Forecast by Country (2026-2033) & (M USD)
Table 132. Europe LED Encapsulants Sales Forecast by Country (2026-2033) & (K MT)
Table 133. Europe LED Encapsulants Market Size Forecast by Country (2026-2033) & (M USD)
Table 134. Asia Pacific LED Encapsulants Sales Forecast by Region (2026-2033) & (K MT)
Table 135. Asia Pacific LED Encapsulants Market Size Forecast by Region (2026-2033) & (M USD)
Table 136. South America LED Encapsulants Sales Forecast by Country (2026-2033) & (K MT)
Table 137. South America LED Encapsulants Market Size Forecast by Country (2026-2033) & (M USD)
Table 138. Middle East and Africa LED Encapsulants Sales Forecast by Country (2026-2033) & (Units)
Table 139. Middle East and Africa LED Encapsulants Market Size Forecast by Country (2026-2033) & (M USD)

Table 140. Global LED Encapsulants Sales Forecast by Type (2026-2033) & (K MT)

Table 141. Global LED Encapsulants Market Size Forecast by Type (2026-2033) & (M USD)

Table 142. Global LED Encapsulants Price Forecast by Type (2026-2033) & (USD/MT)

Table 143. Global LED Encapsulants Sales (K MT) Forecast by Application (2026-2033)

Table 144. Global LED Encapsulants Market Size Forecast by Application (2026-2033) & (M USD)

List of Figures

Figure 1. Product Picture of LED Encapsulants

Figure 2. Data Triangulation

Figure 3. Key Caveats

Figure 4. Global LED Encapsulants Market Size (M USD), 2024-2033

Figure 5. Global LED Encapsulants Market Size (M USD) (2020-2033)

Figure 6. Global LED Encapsulants Sales (K MT) & (2020-2033)

Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 9. Evaluation Matrix of Regional Market Development Potential

Figure 10. LED Encapsulants Market Size by Country (M USD)

Figure 11. Company Assessment Quadrant

Figure 12. Global LED Encapsulants Product Life Cycle

Figure 13. LED Encapsulants Sales Share by Manufacturers in 2024

Figure 14. Global LED Encapsulants Revenue Share by Manufacturers in 2024

Figure 15. LED Encapsulants Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2024

Figure 16. Global Market LED Encapsulants Average Price (USD/MT) of Key Manufacturers in 2024

Figure 17. The Global 5 and 10 Largest Players: Market Share by LED Encapsulants Revenue in 2024

Figure 18. Industry Chain Map of LED Encapsulants

Figure 19. Global LED Encapsulants Market PEST Analysis

Figure 20. Global LED Encapsulants Market Porter's Five Forces Analysis

Figure 21. Global Merchandise Trade as a Percentage Of GDP

Figure 22. US - Imports of Goods by Country

Figure 23. China Exports by Country

Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers

Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 26. Global LED Encapsulants Market Share by Type

Figure 27. Sales Market Share of LED Encapsulants by Type (2020-2025)

Figure 28. Sales Market Share of LED Encapsulants by Type in 2024

- Figure 29. Market Size Share of LED Encapsulants by Type (2020-2025)
- Figure 30. Market Size Share of LED Encapsulants by Type in 2024
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 32. Global LED Encapsulants Market Share by Application
- Figure 33. Global LED Encapsulants Sales Market Share by Application (2020-2025)
- Figure 34. Global LED Encapsulants Sales Market Share by Application in 2024
- Figure 35. Global LED Encapsulants Market Share by Application (2020-2025)
- Figure 36. Global LED Encapsulants Market Share by Application in 2024
- Figure 37. Global LED Encapsulants Sales Growth Rate by Application (2020-2025)
- Figure 38. Global LED Encapsulants Sales Market Share by Region (2020-2025)
- Figure 39. Global LED Encapsulants Market Size Market Share by Region (2020-2025)
- Figure 40. North America LED Encapsulants Sales and Growth Rate (2020-2025) & (K MT)
- Figure 41. North America LED Encapsulants Sales and Growth Rate (2020-2025) & (K MT)
- Figure 42. North America LED Encapsulants Sales Market Share by Country in 2024
- Figure 43. North America LED Encapsulants Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 44. North America LED Encapsulants Market Size Market Share by Country in 2024
- Figure 45. U.S. LED Encapsulants Sales and Growth Rate (2020-2025) & (K MT)
- Figure 46. U.S. LED Encapsulants Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 47. Canada LED Encapsulants Sales (K MT) and Growth Rate (2020-2025)
- Figure 48. Canada LED Encapsulants Market Size (M USD) and Growth Rate (2020-2025)
- Figure 49. Mexico LED Encapsulants Sales (Units) and Growth Rate (2020-2025)
- Figure 50. Mexico LED Encapsulants Market Size (Units) and Growth Rate (2020-2025)
- Figure 51. Europe LED Encapsulants Sales and Growth Rate (2020-2025) & (K MT)
- Figure 52. Europe LED Encapsulants Sales Market Share by Country in 2024
- Figure 53. Europe LED Encapsulants Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 54. Europe LED Encapsulants Market Size Market Share by Country in 2024
- Figure 55. Germany LED Encapsulants Sales and Growth Rate (2020-2025) & (K MT)
- Figure 56. Germany LED Encapsulants Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 57. France LED Encapsulants Sales and Growth Rate (2020-2025) & (K MT)
- Figure 58. France LED Encapsulants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. LED Encapsulants Sales and Growth Rate (2020-2025) & (K MT)

Figure 60. U.K. LED Encapsulants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy LED Encapsulants Sales and Growth Rate (2020-2025) & (K MT)

Figure 62. Italy LED Encapsulants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain LED Encapsulants Sales and Growth Rate (2020-2025) & (K MT)

Figure 64. Spain LED Encapsulants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific LED Encapsulants Sales and Growth Rate (K MT)

Figure 66. Asia Pacific LED Encapsulants Sales Market Share by Region in 2024

Figure 67. Asia Pacific LED Encapsulants Market Size Market Share by Region in 2024

Figure 68. China LED Encapsulants Sales and Growth Rate (2020-2025) & (K MT)

Figure 69. China LED Encapsulants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan LED Encapsulants Sales and Growth Rate (2020-2025) & (K MT)

Figure 71. Japan LED Encapsulants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea LED Encapsulants Sales and Growth Rate (2020-2025) & (K MT)

Figure 73. South Korea LED Encapsulants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India LED Encapsulants Sales and Growth Rate (2020-2025) & (K MT)

Figure 75. India LED Encapsulants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia LED Encapsulants Sales and Growth Rate (2020-2025) & (K MT)

Figure 77. Southeast Asia LED Encapsulants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America LED Encapsulants Sales and Growth Rate (K MT)

Figure 79. South America LED Encapsulants Sales Market Share by Country in 2024

Figure 80. South America LED Encapsulants Market Size and Growth Rate (M USD)

Figure 81. South America LED Encapsulants Market Size Market Share by Country in 2024

Figure 82. Brazil LED Encapsulants Sales and Growth Rate (2020-2025) & (K MT)

Figure 83. Brazil LED Encapsulants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina LED Encapsulants Sales and Growth Rate (2020-2025) & (K MT)

Figure 85. Argentina LED Encapsulants Market Size and Growth Rate (2020-2025) &

(M USD)

Figure 86. Columbia LED Encapsulants Sales and Growth Rate (2020-2025) & (K MT)

Figure 87. Columbia LED Encapsulants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa LED Encapsulants Sales and Growth Rate (K MT)

Figure 89. Middle East and Africa LED Encapsulants Sales Market Share by Region in 2024

Figure 90. Middle East and Africa LED Encapsulants Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa LED Encapsulants Market Size Market Share by Region in 2024

Figure 92. Saudi Arabia LED Encapsulants Sales and Growth Rate (2020-2025) & (K MT)

Figure 93. Saudi Arabia LED Encapsulants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE LED Encapsulants Sales and Growth Rate (2020-2025) & (K MT)

Figure 95. UAE LED Encapsulants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt LED Encapsulants Sales and Growth Rate (2020-2025) & (K MT)

Figure 97. Egypt LED Encapsulants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria LED Encapsulants Sales and Growth Rate (2020-2025) & (K MT)

Figure 99. Nigeria LED Encapsulants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa LED Encapsulants Sales and Growth Rate (2020-2025) & (K MT)

Figure 101. South Africa LED Encapsulants Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global LED Encapsulants Production Market Share by Region (2020-2025)

Figure 103. North America LED Encapsulants Production (K MT) Growth Rate (2020-2025)

Figure 104. Europe LED Encapsulants Production (K MT) Growth Rate (2020-2025)

Figure 105. Japan LED Encapsulants Production (K MT) Growth Rate (2020-2025)

Figure 106. China LED Encapsulants Production (K MT) Growth Rate (2020-2025)

Figure 107. Global LED Encapsulants Sales Forecast by Volume (2020-2033) & (K MT)

Figure 108. Global LED Encapsulants Market Size Forecast by Value (2020-2033) & (M USD)

Figure 109. Global LED Encapsulants Sales Market Share Forecast by Type (2026-2033)

Figure 110. Global LED Encapsulants Market Share Forecast by Type (2026-2033)

Figure 111. Global LED Encapsulants Sales Forecast by Application (2026-2033)

Figure 112. Global LED Encapsulants Market Share Forecast by Application
(2026-2033)

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