

Japan Molding Compounds Market Assessment, By Molding Type [Sheet molding compound, Bulk molding compound, Thick molding compound], By Compound Type [Thermoset Compounds, Long Fiber Reinforced Composites, Thermoplastic Molding Compounds], By End-user [Aerospace, Automotive, Semiconductors/Electronics Industry, Oil, Gas, & Energy Industry, Others], By Region, Opportunities and Forecast, FY2017-FY2031

https://marketpublishers.com/r/JA18F8936AAAEN.html

Date: February 2025 Pages: 108 Price: US\$ 3,300.00 (Single User License) ID: JA18F8936AAAEN

Abstracts

Japan molding compound market size was valued at USD 484 million in FY2023, which is expected to grow to USD 742.8 million in FY2031, with a CAGR of 5.5% during the forecast period between FY2024 and FY2031. The rapid advancements in the Japanese electronics sector are spurring the demand for molding compounds to ensure superior efficiency in the packaging of miniaturized electronics products, including semiconductors, capacitors, transistors, and others. Furthermore, the rising adoption of lightweight materials in Japan ensures significant fuel efficiency for transportation products such as light commercial vehicles, aircraft, and others, supplementing the demand for molding compounds to enable superior mechanical properties and reduce the overall weight of the transportation products. As a result, Japan's booming electronics and transportation industry is fostering the molding compounds market growth in the country.

The Japanese government is targeting to reduce greenhouse emissions in the country. The government of Japan is taking prominent initiatives to boost the share of renewable energy in electricity generation. As a result, in recent years, the development of new



renewable energy projects related to wind, solar, and others is increasing in Japan. Thus, developing new renewable energy projects in Japan is expected to fuel the demand for molding compounds. The molding types, such as sheet molding compound, offer vital benefits, including reduced cost per part integration, minimized tooling cost, and weight advantage. Therefore, developing new renewable energy projects in Japan will create a lucrative opportunity for the positive molding compound industry outlook in Japan during the projected forecast period.

Bolstering Electronics Industry

The electronics industry is the primary contributor to the overall GDP growth of Japan due to the presence of leading market players dealing in the production of semiconductors, electric parts, television, and other electronics products. The key technical properties of molding compounds composed of materials such as thermosetting polymer, epoxy resins, poly (methyl methacrylate), and others include superior electric insulation, excellent mechanical properties, and higher temperature resistance features. These properties of molding compounds make them ideal for the electronics industry to ensure superior moisture resistance and protection against heat. The growth of the electronics industry in Japan is attributed to various key trends such as increasing research & development (R&D) activities in electronics products and increasing investments in electronics manufacturing plants.

For instance, according to the recent data published by the Japan Electronics and Information Technology Industries Association (JEITA), in 2021, the production of the electrical and electronics industry in Japan was valued at USD 99,772.18 million, and USD 83,997.76 million in 2022 having a year-on-year growth rate of 0.2%. Hence, the bolstering electronics industry in Japan is driving the demand for molding types such as sheet molding compound and thick molding compound to protect the electronics products from corrosion, thereby ensuring superior durability of end products. This, in turn, is accelerating the Japan molding compounds market growth.

Increasing Technological Innovations for Molding Compounds Application in Automotive

The automotive industry in Japan is one of the major economic sectors in the country, generating revenue of USD 0.4 trillion. The sheet molding compound is utilized by original equipment manufacturers (OEM) to minimize weight and fuel consumption. Sheet molding materials are lightweight with robust resistance in comparison to aluminum sheets. Furthermore, as opposed to conventional steel decks, automotive manufacturers deploy sheet molding compounds manufactured from thermosetting



polymer and epoxy resins for protection against dents, impact dings, and corrosion. The recent technological innovations for molding compounds with applications in the automotive industry are driving market growth.

For instance, in February 2023, Toray Industries, Inc., a leading material manufacturer in Japan introduced rapid integrated molding technology for application in carbon fiber reinforced plastic mobility components. Carbon fiber-reinforced plastic mobility components are deployed in automotive products such as passenger cars, light commercial vehicles, and heavy commercial vehicles. Therefore, the rising innovations for molding compounds with applications in the automotive sector fuel the deployment of technologically advanced molding compounds, propelling the market growth in Japan.

Impact of COVID-19

The stringent government measures were implemented in Japan, including the halt in non-essential commodities production and social distancing norms due to the rising prevalence of COVID-19 cases in 2020. As a result, production activities related to electronics, automotive, aerospace, and others were halted in Japan. Thus, the Japan molding compound market registered a revenue decline in 2020 since these industries are the major end-users of molding compounds manufactured from materials such as thermosetting polymer, epoxy resins, and others.

For instance, according to the Japan Electronics and Information Technology Industries Association (JEITA), in 2019, electrical and electronics production in Japan was valued at USD 96,643.61 million; in 2020, it was USD 93,389.82 million. In 2020, the electrical and electronics industry declined by 5.4% compared to 2019. The halt in the production activities associated with polymer, epoxy resins, poly (methyl methacrylate), and others restrained the production of molding compounds in Japan. However, by 2020, the Japanese government eased the restrictions to promote industrial growth activities. As a result, industries such as electronics, aerospace, and others registered favorable growth. Eventually, the impact of the COVID-19 pandemic will be negligible, thereby resulting in prominent growth potential for the Japan molding compounds market in the upcoming years.

Impact of Russia-Ukraine War

Materials such as polyester resin, epoxy resins, poly (methyl methacrylate), glass fiber reinforcement, and filler are vital for manufacturing sheet molding compounds. The



Japanese economy highly relies on Russia for energy demand. As a result, the higher energy prices impact the overall pricing of materials such as thermosetting polymer, epoxy resins, poly (methyl methacrylate), and others. In addition, the volatility of petroleum prices directly impacts production costs. For instance, according to the World Bank, in 2022, due to the Russia-Ukraine war, the price of crude oil soared by USD 100 per barrel, reaching its highest level since 2013. These aspects are impeding market expansion.

Moreover, the supply chain constraint impacted the production activities associated with automotive in Japan. For instance, according to the Organisation Internationale des Constructeurs d'Automobiles (OICA), in 2021, passenger cars manufactured in Japan were 6,619,245 units, and in 2022, it was 6,566,356 units. In 2022, passenger cars manufactured in Japan registered a decline of 1% over 2021. Henceforth, the prolonged war between Russia and Ukraine is anticipated to impact the supply chain, and pricing of materials such as thermosetting polymer, epoxy resins, and others. This, in turn, may influence the growth rate of the Japan molding compound market in the forecasted period.

Key Players Landscape and Outlook

The Japan molding compound market is highly competitive, with major players dominating the market. These players are Resonac Electronic Materials Kyushu Corporation, Huayuan, Sumitomo Bakelite Co., Ltd., MOLYMER SSP Co., Ltd., BASF SE, Hitachi, Ltd., Henkel AG & Co. KGaA, Evonik, SAMPE JAPAN, and Huntsman International LLC. These companies have a strong brand presence, a wide distribution network, and a focus on innovation. They are constantly investing in research and development of technologies and products that meet the needs of their customers. The Japan Molding Compound Market is expected to be driven by the increasing demand for passenger cars, light commercial vehicles, and heavy-duty vehicles. The prominent market players in the Japan molding compound industry are adopting merger strategies to expand their market revenue in the country.

For instance, in February 2023, Japan Composite Co., Ltd. formed a merger with JC Kako Co., Ltd. The prime focus of the merger was to increase the company's overall market share in the Japan molding compounds market. Likewise, the development of new electric car manufacturing facilities in Japan and the rapidly rising government investment in the semiconductor industry are expected to accelerate the demand for sheet molding compounds. Henceforth, the above factors are anticipated to increase Japan's molding compounds market competition in the upcoming years.



Contents

- **1. RESEARCH METHODOLOGY**
- 2. PROJECT SCOPE & DEFINITIONS
- 3. IMPACT OF COVID-19 ON THE JAPAN MOLDING COMPOUND MARKET

4. IMPACT OF RUSSIA-UKRAINE WAR

5. EXECUTIVE SUMMARY

6. VOICE OF CUSTOMER

- 6.1. Market Awareness and Product Information
- 6.2. Brand Awareness and Loyalty
- 6.3. Factors Considered in Purchase Decision
 - 6.3.1. Brand Name
 - 6.3.2. Quality
 - 6.3.3. Quantity
 - 6.3.4. Price
 - 6.3.5. Product Specification
 - 6.3.6. Application Specification
 - 6.3.7. Shelf-Life
 - 6.3.8. Availability of Product
- 6.4. Frequency of Purchase
- 6.5. Medium of Purchase

7. JAPAN MOLDING COMPOUND MARKET OUTLOOK, FY2017-FY2031

- 7.1. Market Size & Forecast
- 7.1.1. By Value
- 7.1.2. By Volume
- 7.2. By Molding Type
 - 7.2.1. Sheet Molding Compound (SMC)
 - 7.2.2. Bulk Molding Compound (BMC)
 - 7.2.3. Thick Molding Compound (TMC)
- 7.3. By Compound Type
 - 7.3.1. Thermoset Compounds



- 7.3.1.1. Phenolic
- 7.3.1.2. Epoxy
- 7.3.1.3. Silicone
- 7.3.1.4. Unsaturated Polyester
- 7.3.1.5. Diallyl Phthalate
- 7.3.1.6. Others
- 7.3.2. Long Fiber Reinforced Composites
- 7.3.3. Thermoplastic Compounds
 - 7.3.3.1. Polyphenylene Sulfide (PPS)
 - 7.3.3.2. Polycarbonate (PC)
- 7.3.3.3. Polyamide (PA)
- 7.4. By End-user
 - 7.4.1. Aerospace
 - 7.4.1.1. Passenger
 - 7.4.1.2. Commercial
 - 7.4.1.3. Defense
 - 7.4.2. Automotive
 - 7.4.2.1. Passenger Cars
 - 7.4.2.2. Light Commercial Vehicles (LCVs)
 - 7.4.2.3. Heavy Commercial Vehicles (HCVs)
 - 7.4.3. Semiconductors/Electronics Industry
 - 7.4.4. Oil, Gas, & Energy Industry
- 7.4.5. Others
- 7.5. By Region
 - 7.5.1. North
 - 7.5.2. Central
- 7.5.3. South
- 7.6. By Company Market Share (%), FY2023

8. SUPPLY SIDE ANALYSIS

- 8.1. Capacity, By Company
- 8.2. Production, By Company
- 8.3. Operating Efficiency, By Company
- 8.4. Key Plant Locations (Up to 25)

9. MARKET MAPPING, FY2023

9.1. By Molding Type



- 9.2. By Compound Type
- 9.3. By End-user
- 9.4. By Region

10. MACRO ENVIRONMENT AND INDUSTRY STRUCTURE

- 10.1. Supply Demand Analysis
- 10.2. Import Export Analysis Volume and Value
- 10.3. Supply/Value Chain Analysis
- 10.4. PESTEL Analysis
- 10.4.1. Political Factors
- 10.4.2. Economic System
- 10.4.3. Social Implications
- 10.4.4. Technological Advancements
- 10.4.5. Environmental Impacts
- 10.4.6. Legal Compliances and Regulatory Policies (Statutory Bodies Included)
- 10.5. Porter's Five Forces Analysis
- 10.5.1. Supplier Power
- 10.5.2. Buyer Power
- 10.5.3. Substitution Threat
- 10.5.4. Threat from New Entrant
- 10.5.5. Competitive Rivalry

11. MARKET DYNAMICS

- 11.1. Growth Drivers
- 11.2. Growth Inhibitors (Challenges, Restraints)

12. KEY PLAYERS LANDSCAPE

- 12.1. Competition Matrix of Top Five Market Leaders
- 12.2. Market Revenue Analysis of Top Five Market Leaders (in %, FY2023)
- 12.3. Mergers and Acquisitions/Joint Ventures (If Applicable)
- 12.4. SWOT Analysis (For Five Market Players)
- 12.5. Patent Analysis (If Applicable)

13. PRICING ANALYSIS

14. CASE STUDIES

Japan Molding Compounds Market Assessment, By Molding Type [Sheet molding compound, Bulk molding compound, Thi...



15. KEY PLAYERS OUTLOOK

- 15.1. Resonac Electronic Materials Kyushu Corporation
 - 15.1.1. Company Details
 - 15.1.2. Key Management Personnel
 - 15.1.3. Products & Services
 - 15.1.4. Financials (As reported)
 - 15.1.5. Key Market Focus & Geographical Presence
- 15.1.6. Recent Developments
- 15.2. Huayuan
- 15.3. Sumitomo Bakelite Co., Ltd.
- 15.4. MOLYMER SSP Co., Ltd.
- 15.5. BASF SE
- 15.6. Hitachi, Ltd.
- 15.7. Henkel AG & Co. KGaA
- 15.8. Evonik
- 15.9. SAMPE JAPAN
- 15.10. Huntsman International LLC.

*Companies mentioned above DO NOT hold any order as per market share and can be changed as per information available during research work.

16. STRATEGIC RECOMMENDATIONS

17. ABOUT US & DISCLAIMER



I would like to order

Product name: Japan Molding Compounds Market Assessment, By Molding Type [Sheet molding compound, Bulk molding compound, Thick molding compound], By Compound Type [Thermoset Compounds, Long Fiber Reinforced Composites, Thermoplastic Molding Compounds], By End-user [Aerospace, Automotive, Semiconductors/Electronics Industry, Oil, Gas, & Energy Industry, Others], By Region, Opportunities and Forecast, FY2017-FY2031

Product link: https://marketpublishers.com/r/JA18F8936AAAEN.html

Price: US\$ 3,300.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <u>https://marketpublishers.com/r/JA18F8936AAAEN.html</u>