

Consumer Electronics Adhesives Market Forecasts to 2034 – Global Analysis By Adhesive Type (Epoxy, Acrylic, Polyurethane, Silicone, Cyanoacrylate and UV-Curable Adhesives), Application, End User and By Geography

<https://marketpublishers.com/r/C2C606DD9D6AEN.html>

Date: March 2026

Pages: 200

Price: US\$ 4,150.00 (Single User License)

ID: C2C606DD9D6AEN

Abstracts

According to Statistics MRC, the Global Consumer Electronics Adhesives Market is accounted for \$4.3 billion in 2026 and is expected to reach \$7.3 billion by 2034 growing at a CAGR of 6.8% during the forecast period. Adhesives for consumer electronics are engineered to support the intricate assembly of devices such as smartphones, tablets, and wearables. They ensure robust bonding, resist moisture and dust, and maintain performance under heat stress. As electronics become smaller, lighter, and more sophisticated, these adhesives are crucial for maintaining durability and reliability. The rise of flexible gadgets, 5G technology, and smart wearable devices is fueling demand for advanced bonding solutions. These adhesives not only facilitate precise component integration but also contribute to the overall efficiency and longevity of modern consumer electronics, making them essential in current manufacturing processes.

According to SEMI (Semiconductor Equipment and Materials International), the total semiconductor materials market was valued at USD 63 billion in 2024. Adhesives are included within packaging materials (die-attach, underfill, encapsulation), but SEMI does not report adhesives alone as USD 63 billion — they are a subset of this total.

Market Dynamics:

Driver:

Growing demand for smartphones and wearables

Rising global use of smartphones, tablets, and wearable technology significantly boosts the need for consumer electronics adhesives. These adhesives ensure secure assembly, durability, and protection of delicate parts like displays, batteries, and circuits. With consumers favoring thinner, lighter, and more versatile devices, manufacturers depend on innovative adhesives for flawless integration. As devices evolve with more complex functionalities, the market for advanced bonding solutions expands, making adhesives essential for both product performance and longevity in mobile and wearable electronics.

Restraint:

High cost of advanced adhesives

Premium pricing of advanced adhesives for consumer electronics restricts their widespread use. High-performance adhesives offering thermal stability, flexibility, and moisture resistance can be costly, deterring budget-conscious manufacturers. Smaller firms or low-cost device producers may prefer conventional fasteners, impacting market growth. Research and development expenses to develop innovative adhesives add to overall costs, making it difficult to maintain a balance between performance and affordability. Consequently, the expensive nature of specialized adhesives acts as a significant restraint, especially in price-sensitive markets and emerging economies, limiting rapid adoption in the consumer electronics industry.

Opportunity:

Expansion of flexible and foldable devices

Rising popularity of foldable, flexible, and rollable devices opens new prospects for consumer electronics adhesives. These innovations require adhesives that endure bending, stretching, and repeated use without compromising performance. Adhesives allow precise integration of flexible circuits, displays, and components while ensuring durability. As companies pursue innovative designs and portable form factors, demand for specialized bonding solutions increases. This trend offers a promising opportunity for adhesive producers to cater to next-generation electronics, strengthening their market presence in the rapidly evolving flexible and foldable device segment.

Threat:

Intense competition among manufacturers

Consumer electronics adhesives face strong competition from both global and regional manufacturers. Firms strive to innovate for market leadership, leading to price reductions and margin pressures. Low-cost local competitors further challenge market share. Rapid technology advancements require constant innovation; failure to keep up can render products obsolete. Aggressive marketing and strategic alliances increase competitive intensity. This competitive landscape puts pressure on established and new players alike, threatening growth. Companies must continually invest in R&D, product innovation, and marketing to remain relevant, making intense competition a significant threat to the consumer electronics adhesives market.

Covid-19 Impact:

The COVID-19 pandemic significantly affected the consumer electronics adhesives market by disrupting manufacturing operations, supply chains, and material availability. Lockdowns and reduced consumer spending lowered demand for devices like smartphones, tablets, and wearables, decreasing adhesive usage. Shortages of essential raw materials such as resins and polymers increased costs, while transportation and logistical restrictions hindered global distribution. On the other hand, the surge in remote work, e-learning and home entertainment devices boosted demand for adhesives in laptops, tablets, and connected electronics. Thus, the pandemic presented both challenges and new growth opportunities, reshaping the market landscape for consumer electronics adhesives.

The epoxy segment is expected to be the largest during the forecast period

The epoxy segment is expected to account for the largest market share during the forecast period owing to their high strength, thermal resistance, and ability to bond diverse materials. They are extensively used in smartphones, tablets, wearables, and other devices, ensuring component durability and performance. Their resistance to moisture, heat, and chemicals makes them suitable for safeguarding delicate electronics. Customizable formulations allow precise adaptation for various applications, supporting the trend toward smaller, lighter, and more efficient devices. The combination of versatility, reliability, and protective capabilities positions epoxy adhesives as the leading segment in the consumer electronics adhesives market, commanding the largest market share.

The wearables segment is expected to have the highest CAGR during the forecast

period

Over the forecast period, the wearables segment is predicted to witness the highest growth rate, driven by increasing use of smartwatches, fitness trackers, and health devices. These products need adhesives that offer flexibility, durability, and protection against sweat, moisture, and repeated mechanical stress. Rising consumer focus on wellness, fitness, and connected lifestyles encourages manufacturers to use advanced adhesives for precise and reliable assembly of small, delicate components. Continuous innovations in compact, lightweight wearable designs further elevate adhesive demand, making the wearables segment the fastest-growing category in the consumer electronics adhesives market and driving its high compound annual growth rate.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share due to its concentration of major manufacturing centers, including China, Japan, South Korea, and Taiwan. High output of smart phones, laptops, wearables, and other devices drives strong adhesive demand. The region benefits from robust industrial infrastructure, competitive production costs, and rapid adoption of modern electronics. Growing investments in research and development, along with widespread use of smart devices in urban and semi-urban regions, further enhance the market's expansion. Consequently, Asia-Pacific maintains the largest market share, positioning itself as the primary contributor to global consumption of consumer electronics adhesives.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR, driven by widespread use of wearables, smart home gadgets, and 5G smartphones. The region's advanced technological ecosystem, high consumer spending, and innovation in electronics design support strong adhesive demand. Manufacturers prioritize flexible, lightweight, and durable adhesives to accommodate compact, multifunctional devices. Expansion in areas such as healthcare wearables, connected devices, and high-end electronics further accelerates market adoption.

Key players in the market

Some of the key players in Consumer Electronics Adhesives Market include 3M, Arkema, Ashland, Avery Dennison Corporation, BASF SE, Beardow Adams, CHEMENCE, Covestro AG, Dow, H.B. Fuller Company, Henkel AG & Co. KGaA,

Huntsman International LLC, Illinois Tool Works Inc. (ITW), MAPEI S.p.A., Permabond LLC, Pidilite Industries Ltd., Sika AG and Dymax Corporation.

Key Developments:

In November 2025, Covestro AG and Abu Dhabi's XRG have secured the final regulatory green light for their strategic partnership, winning approval from Germany's Federal Ministry for Economic Affairs and Energy. The decision clears the last remaining hurdle under foreign investment rules, setting the stage for the deal to close within days. The partnership—positioned as a transformative move for the global chemicals sector—will see the two companies push aggressively into innovation, circular production, and digital transformation.

In October 2025, BASF SE and ANDRITZ Group have signed a license agreement for the use of BASF's proprietary gas treatment technology, OASE® blue, in a carbon capture project planned to be implemented in the city of Aarhus, Denmark. The project aims to capture approximately 435,000 tons of CO₂ annually from the flue gases of a waste-to-energy plant for sequestration; the city of Aarhus has set itself the goal of becoming CO₂-neutral by 2030.

In October 2025, Dow and MEGlobal have finalized an agreement for Dow to supply an additional equivalent to 100 KTA of ethylene from its Gulf Coast operations. The ethylene will serve as a key feedstock for MEGlobal's ethylene glycol (EG) manufacturing facility co-located at Dow's and MEGlobal's Oyster Creek site.

Adhesive Types Covered:

Epoxy

Acrylic

Polyurethane

Silicone

Cyanoacrylate

UV-Curable Adhesives

Applications Covered:

Smartphones

Laptops & Tablets

Wearables

Televisions & Displays

Audio Devices

Smart Home Devices

End Users Covered:

OEMs (Original Equipment Manufacturers)

Aftermarket

Regions Covered:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Italy

Spain

Netherlands

Belgium

Sweden

Switzerland

Poland

Rest of Europe

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Thailand

Malaysia

Singapore

Vietnam

Rest of Asia Pacific

South America

Brazil

Argentina

Colombia

Chile

Peru

Rest of South America

Rest of the World (RoW)

Middle East

Saudi Arabia

United Arab Emirates

Qatar

Israel

Rest of Middle East

Africa

South Africa

Egypt

Morocco

Rest of Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

Contents

1 EXECUTIVE SUMMARY

- 1.1 Market Snapshot and Key Highlights
- 1.2 Growth Drivers, Challenges, and Opportunities
- 1.3 Competitive Landscape Overview
- 1.4 Strategic Insights and Recommendations

2 RESEARCH FRAMEWORK

- 2.1 Study Objectives and Scope
- 2.2 Stakeholder Analysis
- 2.3 Research Assumptions and Limitations
- 2.4 Research Methodology
 - 2.4.1 Data Collection (Primary and Secondary)
 - 2.4.2 Data Modeling and Estimation Techniques
 - 2.4.3 Data Validation and Triangulation
 - 2.4.4 Analytical and Forecasting Approach

3 MARKET DYNAMICS AND TREND ANALYSIS

- 3.1 Market Definition and Structure
- 3.2 Key Market Drivers
- 3.3 Market Restraints and Challenges
- 3.4 Growth Opportunities and Investment Hotspots
- 3.5 Industry Threats and Risk Assessment
- 3.6 Technology and Innovation Landscape
- 3.7 Emerging and High-Growth Markets
- 3.8 Regulatory and Policy Environment
- 3.9 Impact of COVID-19 and Recovery Outlook

4 COMPETITIVE AND STRATEGIC ASSESSMENT

- 4.1 Porter's Five Forces Analysis
 - 4.1.1 Supplier Bargaining Power
 - 4.1.2 Buyer Bargaining Power
 - 4.1.3 Threat of Substitutes
 - 4.1.4 Threat of New Entrants

- 4.1.5 Competitive Rivalry
- 4.2 Market Share Analysis of Key Players
- 4.3 Product Benchmarking and Performance Comparison

5 GLOBAL CONSUMER ELECTRONICS ADHESIVES MARKET, BY ADHESIVE TYPE

- 5.1 Epoxy
- 5.2 Acrylic
- 5.3 Polyurethane
- 5.4 Silicone
- 5.5 Cyanoacrylate
- 5.6 UV-Curable Adhesives

6 GLOBAL CONSUMER ELECTRONICS ADHESIVES MARKET, BY APPLICATION

- 6.1 Smartphones
- 6.2 Laptops & Tablets
- 6.3 Wearables
- 6.4 Televisions & Displays
- 6.5 Audio Devices
- 6.6 Smart Home Devices

7 GLOBAL CONSUMER ELECTRONICS ADHESIVES MARKET, BY END USER

- 7.1 OEMs (Original Equipment Manufacturers)
- 7.2 Aftermarket

8 GLOBAL CONSUMER ELECTRONICS ADHESIVES MARKET, BY GEOGRAPHY

- 8.1 North America
 - 8.1.1 United States
 - 8.1.2 Canada
 - 8.1.3 Mexico
- 8.2 Europe
 - 8.2.1 United Kingdom
 - 8.2.2 Germany
 - 8.2.3 France
 - 8.2.4 Italy

- 8.2.5 Spain
- 8.2.6 Netherlands
- 8.2.7 Belgium
- 8.2.8 Sweden
- 8.2.9 Switzerland
- 8.2.10 Poland
- 8.2.11 Rest of Europe
- 8.3 Asia Pacific
 - 8.3.1 China
 - 8.3.2 Japan
 - 8.3.3 India
 - 8.3.4 South Korea
 - 8.3.5 Australia
 - 8.3.6 Indonesia
 - 8.3.7 Thailand
 - 8.3.8 Malaysia
 - 8.3.9 Singapore
 - 8.3.10 Vietnam
 - 8.3.11 Rest of Asia Pacific
- 8.4 South America
 - 8.4.1 Brazil
 - 8.4.2 Argentina
 - 8.4.3 Colombia
 - 8.4.4 Chile
 - 8.4.5 Peru
 - 8.4.6 Rest of South America
- 8.5 Rest of the World (RoW)
 - 8.5.1 Middle East
 - 8.5.1.1 Saudi Arabia
 - 8.5.1.2 United Arab Emirates
 - 8.5.1.3 Qatar
 - 8.5.1.4 Israel
 - 8.5.1.5 Rest of Middle East
 - 8.5.2 Africa
 - 8.5.2.1 South Africa
 - 8.5.2.2 Egypt
 - 8.5.2.3 Morocco
 - 8.5.2.4 Rest of Africa

9 STRATEGIC MARKET INTELLIGENCE

- 9.1 Industry Value Network and Supply Chain Assessment
- 9.2 White-Space and Opportunity Mapping
- 9.3 Product Evolution and Market Life Cycle Analysis
- 9.4 Channel, Distributor, and Go-to-Market Assessment

10 INDUSTRY DEVELOPMENTS AND STRATEGIC INITIATIVES

- 10.1 Mergers and Acquisitions
- 10.2 Partnerships, Alliances, and Joint Ventures
- 10.3 New Product Launches and Certifications
- 10.4 Capacity Expansion and Investments
- 10.5 Other Strategic Initiatives

11 COMPANY PROFILES

- 11.1 3M
- 11.2 Arkema
- 11.3 Ashland
- 11.4 Avery Dennison Corporation
- 11.5 BASF SE
- 11.6 Beardow Adams
- 11.7 CHEMENCE
- 11.8 Covestro AG
- 11.9 Dow
- 11.10 H.B. Fuller Company
- 11.11 Henkel AG & Co. KGaA
- 11.12 Huntsman International LLC
- 11.13 Illinois Tool Works Inc. (ITW)
- 11.14 MAPEI S.p.A.
- 11.15 Permabond LLC
- 11.16 Pidilite Industries Ltd.
- 11.17 Sika AG
- 11.18 Dymax Corporation

List Of Tables

LIST OF TABLES

- Table 1 Global Consumer Electronics Adhesives Market Outlook, By Region (2023-2034) (\$MN)
- Table 2 Global Consumer Electronics Adhesives Market Outlook, By Adhesive Type (2023-2034) (\$MN)
- Table 3 Global Consumer Electronics Adhesives Market Outlook, By Epoxy (2023-2034) (\$MN)
- Table 4 Global Consumer Electronics Adhesives Market Outlook, By Acrylic (2023-2034) (\$MN)
- Table 5 Global Consumer Electronics Adhesives Market Outlook, By Polyurethane (2023-2034) (\$MN)
- Table 6 Global Consumer Electronics Adhesives Market Outlook, By Silicone (2023-2034) (\$MN)
- Table 7 Global Consumer Electronics Adhesives Market Outlook, By Cyanoacrylate (2023-2034) (\$MN)
- Table 8 Global Consumer Electronics Adhesives Market Outlook, By UV-Curable Adhesives (2023-2034) (\$MN)
- Table 9 Global Consumer Electronics Adhesives Market Outlook, By Application (2023-2034) (\$MN)
- Table 10 Global Consumer Electronics Adhesives Market Outlook, By Smartphones (2023-2034) (\$MN)
- Table 11 Global Consumer Electronics Adhesives Market Outlook, By Laptops & Tablets (2023-2034) (\$MN)
- Table 12 Global Consumer Electronics Adhesives Market Outlook, By Wearables (2023-2034) (\$MN)
- Table 13 Global Consumer Electronics Adhesives Market Outlook, By Televisions & Displays (2023-2034) (\$MN)
- Table 14 Global Consumer Electronics Adhesives Market Outlook, By Audio Devices (2023-2034) (\$MN)
- Table 15 Global Consumer Electronics Adhesives Market Outlook, By Smart Home Devices (2023-2034) (\$MN)
- Table 16 Global Consumer Electronics Adhesives Market Outlook, By End User (2023-2034) (\$MN)
- Table 17 Global Consumer Electronics Adhesives Market Outlook, By OEMs (Original Equipment Manufacturers) (2023-2034) (\$MN)
- Table 18 Global Consumer Electronics Adhesives Market Outlook, By Aftermarket

(2023-2034) (\$MN)

Note: Tables for North America, Europe, APAC, South America, and Rest of the World (RoW) Regions are also represented in the same manner as above.

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