

# Global Optic Adhesives Market Size Study & Forecast, by Material, Application, End-Use Industry, Cure Mechanism, and Regional Forecasts 2025–2035

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## Abstracts

The Global Optic Adhesives Market is valued at approximately USD 0.6 billion in 2024 and is anticipated to grow at a robust CAGR of 6.00% over the forecast period from 2025 to 2035. Optic adhesives—formulated to provide high transparency, low shrinkage, and precision bonding—play an indispensable role in optical component assembly and photonics applications. These materials are engineered for high performance in environments requiring excellent light transmission, mechanical integrity, and resistance to yellowing or degradation, especially under ultraviolet (UV) or extreme environmental conditions. Their usage has become pivotal in a world dominated by compact electronics, high-speed data transmission, and advanced imaging systems. From smartphones and fiber optic cables to autonomous vehicle sensors, the demand for efficient, fast-curing, and durable adhesive solutions has grown exponentially.

One of the primary catalysts behind the rising adoption of optic adhesives is the continued miniaturization and sophistication of electronic devices and display technologies. Optical bonding is crucial for touchscreen displays, OLED panels, and augmented reality (AR) headsets, where even the slightest distortion or misalignment could impair functionality. Additionally, the surging proliferation of high-resolution camera modules in smartphones and surveillance systems has dramatically influenced the development of adhesives with precise light transmission and low haze characteristics. Epoxy and UV-curing adhesives dominate the landscape due to their exceptional mechanical performance and quick processing times. Moreover, the evolution of lightweight, low-VOC, and RoHS-compliant adhesive systems is unlocking new possibilities in environmentally sensitive markets and medical imaging devices.

Regionally, North America continues to command a significant share in the optic

adhesives market, driven by robust R&D in photonics, well-established telecom infrastructure, and demand from aerospace and defense sectors for high-reliability bonding solutions. The U.S., in particular, has witnessed an influx of investment in fiber optic network expansions and advanced healthcare diagnostics, both of which rely heavily on high-performance optic adhesives. Meanwhile, Asia Pacific is emerging as the fastest-growing region, powered by rapid industrialization, growing adoption of 5G infrastructure, and the electronics manufacturing ecosystem in countries like China, South Korea, and Japan. The region's vibrant consumer electronics sector and rise in digital imaging applications further fuel growth. Europe also holds substantial potential, particularly in automotive lidar and medical instrumentation where optical clarity and precision are paramount.

Major market players included in this report are:

3M Company

Henkel AG & Co. KGaA

Dow Chemical Company

Dymax Corporation

Master Bond Inc.

DELO Industrial Adhesives

Epoxy Technology Inc.

Permabond LLC

H.B. Fuller Company

Norland Products Inc.

Tesa SE (Beiersdorf AG)

Huntsman Corporation

Sika AG

Hexion Inc.

Ashland Global Holdings Inc.

## Global Optic Adhesives Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period – 2025–2035

Report Coverage – Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope – North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope – Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players.

The detailed segments and sub-segments of the market are explained below:

By Material:

Epoxy

Acrylic

Polyurethane

Silicone

By Application:

Display

Optical Fiber

Imaging

Sensor

By End-Use Industry:

Consumer Electronics

Automotive

Telecommunications

Medical

By Cure Mechanism:

UV Curing

Thermal Curing

Moisture Curing

## By Region:

### North America

U.S.

Canada

### Europe

UK

Germany

France

Spain

Italy

Rest of Europe

### Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

## Latin America

Brazil

Mexico

## Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

## Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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