

# Global RGB Color Photoresist Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global RGB Color Photoresist market size is expected to reach \$ 1209 million by 2032, rising at a market growth of 5.2% CAGR during the forecast period (2026-2032). In 2025, global RGB Color Photoresist reached approximately 4,510 tons, with an average global market price of around 182.6 USD/kg.

RGB Color Photoresist is a specialized photosensitive polymer material tailored for the manufacturing of color filters in display panels (such as LCD and OLED screens), composed of pigment dispersions (red, green, blue), photosensitive resins, monomers, photoinitiators, and solvents. It undergoes photolithography processes?coating, exposure, development, and curing?to form precise RGB pixel patterns on glass substrates, which selectively transmit red, green, and blue light to generate full-color images, serving as a core material that directly determines the color gamut, resolution, and brightness of display screens.

Demand for RGB Color Photoresist is primarily driven by the continuous expansion of the global display industry, including the growth of smartphone, TV, and tablet markets, the rise of new display technologies (such as OLED, Mini/Micro LED), and the increasing demand for high-resolution and wide-color-gamut displays. Business opportunities lie in the development of photoresists compatible with advanced display processes (e.g., fine-pitch patterning for 8K+ screens), the optimization of green and low-toxic formulations to meet environmental regulations, the expansion of applications in emerging display fields (such as AR/VR headsets and automotive displays), and the localization trend of the supply chain in major display manufacturing regions.

This report studies the global RGB Color Photoresist production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for RGB Color Photoresist and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and

competition, as well as details the characteristics of RGB Color Photoresist that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global RGB Color Photoresist total production and demand, 2021-2032, (Tons)

Global RGB Color Photoresist total production value, 2021-2032, (USD Million)

Global RGB Color Photoresist production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global RGB Color Photoresist consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: RGB Color Photoresist domestic production, consumption, key domestic manufacturers and share

Global RGB Color Photoresist production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global RGB Color Photoresist production by Photosensitive Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global RGB Color Photoresist production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global RGB Color Photoresist market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include artience group, FujiFilm, JSR, Jiangsu Yoke Technology, LG Chem, Sumitomo, Samsung SDI, Toray, Tokyo Ohka Kogyo, Merck Group, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World RGB Color Photoresist market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/kg) by manufacturer, by Photosensitive Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global RGB Color Photoresist Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global RGB Color Photoresist Market, Segmentation by Photosensitive Type:

Positive Photoresist

Negative Photoresist

Global RGB Color Photoresist Market, Segmentation by Product Form:

Monochromatic Photoresist

Multicolor Photoresist

Global RGB Color Photoresist Market, Segmentation by Compatible Display Technology:

TFT-LCD Compatible Type

OLED Compatible Type

Mini/Micro LED Compatible Type

Global RGB Color Photoresist Market, Segmentation by Application:

Consumer Electronics

Automotive Display

Semiconductor Packaging

Optical Device Manufacturing

Others

### **Companies Profiled:**

artience group

FujiFilm

JSR

Jiangsu Yoke Technology

LG Chem

Sumitomo

Samsung SDI

Toray

Tokyo Ohka Kogyo

Merck Group

DNP Fine Chemicals

Shenzhen Rongda Photosensitive & Technology

Suzhou Research Semiconductor

## Jiangsu Brivan Electronics Technology

### **Key Questions Answered:**

1. How big is the global RGB Color Photoresist market?
2. What is the demand of the global RGB Color Photoresist market?
3. What is the year over year growth of the global RGB Color Photoresist market?
4. What is the production and production value of the global RGB Color Photoresist market?
5. Who are the key producers in the global RGB Color Photoresist market?
6. What are the growth factors driving the market demand?

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