

# Global Near Infrared Absorbing Material Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Near Infrared Absorbing Material market size is expected to reach \$ 578 million by 2032, rising at a market growth of 7.8% CAGR during the forecast period (2026-2032).

In 2025, global Near-Infrared Absorbing Material reached approximately 1,015 tons, with an average global market price of around 325.6 USD/kg.

Near Infrared Absorbing Material refers to a class of functional materials that can efficiently absorb electromagnetic waves in the near-infrared spectral region (typically 780-2500 nm) while maintaining selective transmittance or reflectance in other spectral ranges (such as visible light). Composed of organic compounds (e.g., cyanine, phthalocyanine), inorganic substances (e.g., metal oxides, carbon-based materials, quantum dots), or organic-inorganic composites, these materials achieve near-infrared absorption through mechanisms like molecular electron transition, band gap absorption, or surface plasmon resonance, serving as core materials in optical regulation, thermal management, and photoelectric conversion fields.

Demand for Near Infrared Absorbing Material is mainly driven by the rapid development of emerging high-tech industries such as autonomous driving (LiDAR systems), smart windows, photovoltaics, and biomedical imaging, as well as the growing demand for energy-saving thermal insulation materials in construction and automotive sectors.

Business opportunities lie in the R&D of high-absorption-efficiency, low-cost and environmentally friendly materials, the expansion of customized solutions for specific application scenarios (e.g., narrow-band/broadband absorption requirements), the advancement of durable and weather-resistant formulations, and the increasing market penetration in emerging regions with developing high-tech and green building industries. This report studies the global Near Infrared Absorbing Material production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Near

Infrared Absorbing Material 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 Near Infrared Absorbing Material that contribute to its increasing demand across many markets.

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

Global Near Infrared Absorbing Material total production and demand, 2021-2032, (Tons)

Global Near Infrared Absorbing Material total production value, 2021-2032, (USD Million)

Global Near Infrared Absorbing Material production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Near Infrared Absorbing Material consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Near Infrared Absorbing Material domestic production, consumption, key domestic manufacturers and share

Global Near Infrared Absorbing Material production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Near Infrared Absorbing Material production by Material Composition, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Near Infrared Absorbing Material production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Near Infrared Absorbing Material 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 Nippon Shokubai, Yamada Chemical, Keeling & Walker, Sumitomo Metal Mining, GYC GROUP, Nanophase Technologies(Sol?sence), Epolin, BASF, Sun Chemical Colors & Effects, Textilchemie Dr. Petry, 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 Near Infrared Absorbing Material 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 Material Composition, 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 Near Infrared Absorbing Material Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Near Infrared Absorbing Material Market, Segmentation by Material Composition:

Organic Type

Inorganic Type

Composite Type

Global Near Infrared Absorbing Material Market, Segmentation by Absorption Wavelength Range:

Short-Wave NIR Type

Mid-Wave NIR Type

Broadband NIR Type

Global Near Infrared Absorbing Material Market, Segmentation by Product Form:

Film/Coating Type

Powder Type

Bulk/Sheet Type

Global Near Infrared Absorbing Material Market, Segmentation by Application:

Optoelectronic & Semiconductor

Biomedical & Pharmaceutical

New Energy

Automotive

Others

**Companies Profiled:**

Nippon Shokubai

Yamada Chemical

Keeling & Walker

Sumitomo Metal Mining

GYC GROUP

Nanophase Technologies(Sol?sence)

Epolin

BASF

Sun Chemical Colors & Effects

Textilchemie Dr. Petry

LuminoChem

Changzhou Xiaqing Chemical

Delta Chem

The Three Brothers Chemicals

**Key Questions Answered:**

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

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