

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

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Abstracts

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

Near-Infrared Light Absorbing Material refers to a class of functional materials that can efficiently absorb electromagnetic waves in the near-infrared region (typically 780-2500 nm) while exhibiting 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), or composite systems, these materials achieve near-infrared absorption through mechanisms like electron transition, band gap absorption, or surface plasmon resonance, and are widely used in optical filtering, thermal management, and photoelectric conversion fields. Demand for Near-Infrared Light Absorbing Material is mainly driven by the rapid development of emerging technologies such as smart windows, autonomous driving (lidar systems), near-infrared detection, and solar energy utilization, as well as the growing demand for energy-saving and thermal insulation materials in construction and automotive industries. Business opportunities lie in the research and development of high-absorption-efficiency and low-cost composite materials, the expansion of customized solutions for specific application scenarios, the advancement of environmentally friendly and durable material formulations, and the increasing market penetration in emerging high-tech fields requiring precise near-infrared spectral control. This report studies the global Near-Infrared Light Absorbing Material production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Near-Infrared Light 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 Light Absorbing Material that contribute to its increasing demand across many markets.

Highlights and key features of the study

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

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

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

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

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

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

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

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

This report profiles key players in the global Near-Infrared Light 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 Light 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 Light Absorbing Material Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

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

Organic Type

Inorganic Type

Composite Type

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

Short-Wave NIR Type

Mid-Wave NIR Type

Broadband NIR Type

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

Film/Coating Type

Powder Type

Bulk/Sheet Type

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

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