

Global NIR-Transparent Black Pigments Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global NIR-Transparent Black Pigments market size is expected to reach \$ 41.36 million by 2032, rising at a market growth of 5.1% CAGR during the forecast period (2026-2032).

NIR-Transparent Black Pigments are black colorants engineered to deliver a dark/neutral visual appearance while minimizing absorption in the near-infrared (NIR) region, so that NIR radiation can be transmitted through (or at least not be strongly blocked by) the pigmented layer. The key contrast is conventional carbon black: it strongly absorbs NIR, which can reduce LiDAR signal return and can also prevent NIR-based polymer identification in recycling lines. This is why “NIR transparent” alternatives are used in dark coatings/plastics where NIR sensing or sorting is required.

Upstream typically include: aromatic organic intermediates for perylene pigment synthesis, solvents and reaction auxiliaries, surface-treatment agents (to tune dispersibility and weathering).

Downstream, the most visible demand drivers are automotive coatings and components needing improved LiDAR detectability (functional blacks for autonomous sensing), and plastics designed for NIR-based identification/sorting (to enable recycling of black/dark polymers that otherwise “disappear” under NIR due to carbon black). Additionally, NIR-transparent/low-NIR-absorption blacks are used in solar heat management / “cool dark” coatings to reduce heat build-up while maintaining dark styling.

In 2025, global sales of NIR-Transparent Black Pigments reached approximately 1,128 tons, with an average global market price of around US\$ 25/kg. Production capacity varies significantly among manufacturers, with gross profit margins ranging from

approximately 30% to 40%.

This report studies the global NIR-Transparent Black Pigments production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for NIR-Transparent Black Pigments 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 NIR-Transparent Black Pigments that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global NIR-Transparent Black Pigments total production and demand, 2021-2032, (Tons)

Global NIR-Transparent Black Pigments total production value, 2021-2032, (USD Million)

Global NIR-Transparent Black Pigments production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global NIR-Transparent Black Pigments consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: NIR-Transparent Black Pigments domestic production, consumption, key domestic manufacturers and share

Global NIR-Transparent Black Pigments production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global NIR-Transparent Black Pigments production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global NIR-Transparent Black Pigments production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global NIR-Transparent Black Pigments 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 DIC, Sudarshan, Toyo Ink, 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 NIR-Transparent Black Pigments 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 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 NIR-Transparent Black Pigments Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global NIR-Transparent Black Pigments Market, Segmentation by Type:

Pigment Black 32 (P.Bk.32)

Pigment Black 31 (P.Bk.31)

Global NIR-Transparent Black Pigments Market, Segmentation by Material Composition:

Single-Pigment

Hybrid System

Global NIR-Transparent Black Pigments Market, Segmentation by Delivery Form:

Dry Powder Pigment

Pigment Dispersions

Other

Global NIR-Transparent Black Pigments Market, Segmentation by Application:

Construction

Automotive

Plastics

Other

Companies Profiled:

DIC

Sudarshan

Toyo Ink

Key Questions Answered:

1. How big is the global NIR-Transparent Black Pigments market?
2. What is the demand of the global NIR-Transparent Black Pigments market?
3. What is the year over year growth of the global NIR-Transparent Black Pigments market?
4. What is the production and production value of the global NIR-Transparent Black Pigments market?
5. Who are the key producers in the global NIR-Transparent Black Pigments market?
6. What are the growth factors driving the market demand?

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