

Global NIR-Transparent Black Pigments Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global NIR-Transparent Black Pigments market size was valued at US\$ 29.03 million in 2025 and is forecast to a readjusted size of US\$ 41.36 million by 2032 with a CAGR of 5.1% during review period.

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 is a detailed and comprehensive analysis for global NIR-Transparent Black Pigments market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global NIR-Transparent Black Pigments market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global NIR-Transparent Black Pigments market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global NIR-Transparent Black Pigments market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2021-2032

Global NIR-Transparent Black Pigments market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/kg), 2021-2026

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for NIR-Transparent Black Pigments
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global NIR-Transparent Black Pigments market based on the following parameters - company overview, sales quantity, revenue, 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.

Market Segmentation

NIR-Transparent Black Pigments market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Pigment Black 32 (P.Bk.32)

Pigment Black 31 (P.Bk.31)

Market segment by Material Composition

Single-Pigment

Hybrid System

Market segment by Delivery Form

Dry Powder Pigment

Pigment Dispersions

Other

Market segment by Application

Construction

Automotive

Plastics

Other

Major players covered

DIC

Sudarshan

Toyo Ink

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe NIR-Transparent Black Pigments product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of NIR-Transparent Black Pigments, with price, sales quantity, revenue, and global market share of NIR-Transparent Black Pigments from 2021 to 2026.

Chapter 3, the NIR-Transparent Black Pigments competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the NIR-Transparent Black Pigments breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and NIR-Transparent Black Pigments market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of NIR-Transparent Black Pigments.

Chapter 14 and 15, to describe NIR-Transparent Black Pigments sales channel, distributors, customers, research findings and conclusion.

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