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Global Low-Dk Hydrocarbon Resins for High-Speed Copper-Clad Laminates Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Low-Dk Hydrocarbon Resins for High-Speed Copper-Clad Laminates market size is expected to reach $ 2031 million by 2032, rising at a market growth of 8.7% CAGR during the forecast period (2026-2032).

The global demand for low-dielectric hydrocarbon resins used in high-speed copper-clad laminates (CCL) is projected to reach approximately 72,000 metric tons by 2025, with an average price of around $15,000 per ton. These resins?which include hydrogenated styrene block copolymers, polybutadiene/DCPD resins, modified polyphenylene ether (PPE) oligomers, and their blends?are non-polar or low-polar systems designed for high-frequency, high-speed PCB substrates. They are engineered to meet critical requirements regarding low dielectric constant and dissipation factor, heat resistance, adhesion to glass fiber and copper foil, and lamination processing windows. Upstream raw materials primarily include styrene, butadiene, DCPD, polyphenylene ether monomers, and functional modifiers; downstream applications focus on high-frequency, high-speed CCLs used in AI servers, 5G communications, automotive radar, and high-speed connectors.

This report studies the global Low-Dk Hydrocarbon Resins for High-Speed Copper-Clad Laminates production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Low-Dk Hydrocarbon Resins for High-Speed Copper-Clad Laminates 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 Low-Dk Hydrocarbon Resins for High-Speed Copper-Clad Laminates

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that contribute to its increasing demand across many markets.

Highlights and key features of the study
Global Low-Dk Hydrocarbon Resins for High-Speed Copper-Clad Laminates total production and demand, 2021-2032, (Tons)
Global Low-Dk Hydrocarbon Resins for High-Speed Copper-Clad Laminates total production value, 2021-2032, (USD Million)
Global Low-Dk Hydrocarbon Resins for High-Speed Copper-Clad Laminates production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)
Global Low-Dk Hydrocarbon Resins for High-Speed Copper-Clad Laminates consumption by region & country, CAGR, 2021-2032 & (Tons)
U.S. VS China: Low-Dk Hydrocarbon Resins for High-Speed Copper-Clad Laminates domestic production, consumption, key domestic manufacturers and share
Global Low-Dk Hydrocarbon Resins for High-Speed Copper-Clad Laminates production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)
Global Low-Dk Hydrocarbon Resins for High-Speed Copper-Clad Laminates production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)
Global Low-Dk Hydrocarbon Resins for High-Speed Copper-Clad Laminates production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Low-Dk Hydrocarbon Resins for High-Speed Copper-Clad Laminates 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 Zeon, Kuraray, Kraton, Mitsubishi Gas Chemical, Asahi Kasei, JSR, Mitsui Chemicals, SABIC, Polyscope Polymers, TSRC, 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 Low-Dk Hydrocarbon Resins for High-Speed Copper-Clad Laminates market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$

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Millions), volume (production, consumption) & (Tons) and average price (US$/Ton) 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 Low-Dk Hydrocarbon Resins for High-Speed Copper-Clad Laminates Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Low-Dk Hydrocarbon Resins for High-Speed Copper-Clad Laminates Market, Segmentation by Type:

Hydrogenated Styrenic Block Copolymer

Modified Polyphenylene Ether Oligomer

DCPD/Polybutadiene Hydrocarbon Resin

Global Low-Dk Hydrocarbon Resins for High-Speed Copper-Clad Laminates Market, Segmentation by Dielectric Constant:

Dk ?2.70 @10 GHz

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Dk 2.70-3.00 @10 GHz

Df ?0.003 @10 GHz

Global Low-Dk Hydrocarbon Resins for High-Speed Copper-Clad Laminates Market, Segmentation by Functional Category:

Low-loss Matrix Resin

Toughening & Adhesion Modifier

Heat-resistant High-Tg Modifier

Global Low-Dk Hydrocarbon Resins for High-Speed Copper-Clad Laminates Market, Segmentation by Application:

AI Server PCB

5G Base Station

Automotive Radar

High-speed Cable & Connector

Companies Profiled:

Zeon

Kuraray

Kraton

Mitsubishi Gas Chemical

Asahi Kasei

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JSR

Mitsui Chemicals

SABIC

Polyscope Polymers

TSRC

LCY Chemical

Sinopec Baling Petrochemical

Nantong Juyan New Materials

Key Questions Answered:
1. How big is the global Low-Dk Hydrocarbon Resins for High-Speed Copper-Clad Laminates market?
2. What is the demand of the global Low-Dk Hydrocarbon Resins for High-Speed Copper-Clad Laminates market?
3. What is the year over year growth of the global Low-Dk Hydrocarbon Resins for High-Speed Copper-Clad Laminates market?
4. What is the production and production value of the global Low-Dk Hydrocarbon Resins for High-Speed Copper-Clad Laminates market?
5. Who are the key producers in the global Low-Dk Hydrocarbon Resins for High-Speed Copper-Clad Laminates market?
6. What are the growth factors driving the market demand?

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