

Global Halogen-Free Laminate Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/G4C1CA00B0B1EN.html>

Date: August 2026

Pages: 119

Price: US\$ 3,480.00 (Single User License)

ID: G4C1CA00B0B1EN

Abstracts

According to our (Global Info Research) latest study, the global Halogen-Free Laminate market size was valued at US\$ 2528 million in 2025 and is forecast to a readjusted size of US\$ 3710 million by 2032 with a CAGR of 6.0% during review period.

Halogen-free laminate, generally referring to halogen-free copper-clad laminate, is a type of PCB base material that avoids brominated and chlorinated flame retardants in its resin system, additives, and other key raw materials, while complying with applicable limits on chlorine, bromine, and total halogen content. It is typically manufactured by laminating copper foil with halogen-free epoxy resin, reinforcing materials, and non-halogen flame-retardant systems. The material provides electrical insulation, mechanical support, heat resistance, flame retardancy, and circuit-carrying capability. Compared with conventional halogen-containing laminates, halogen-free laminates can reduce the release of corrosive gases and toxic smoke during combustion and can be further engineered for high glass-transition temperature, low thermal expansion, low dielectric loss, improved CAF resistance, and enhanced long-term reliability. In 2025, global Halogen-Free Laminate production reached approximately 117 million m², with an average global market price of around 21 USD/m². The production capacity for Halogen-Free Laminate in 2025 was approximately 150 million m². The typical gross profit margin for Halogen-Free Laminate between 20% and 40%.

The global halogen-free laminate market is being driven by stricter environmental regulations, the transition toward greener electronic products, the expansion of automotive electronics, and rising demand for high-speed and high-frequency communication systems. Applications such as consumer electronics, servers and data centers, telecommunications equipment, new energy vehicles, industrial control

systems, and advanced packaging substrates increasingly require materials with low smoke generation, reduced toxicity, high thermal resistance, and strong reliability. As a result, halogen-free laminates are evolving from simple environmentally compliant substitutes into high-performance functional materials. Market competition is shifting from basic halogen-free compliance toward the balanced optimization of low dielectric constant, low dissipation factor, high heat resistance, dimensional stability, and processability. With the continued growth of high-layer-count PCBs, 5G infrastructure, AI servers, intelligent vehicles, and high-power electronic equipment, the penetration of halogen-free laminates is expected to increase further, while advanced resin formulations, non-halogen flame-retardant systems, copper-foil interface treatment, and stable mass-production capability will remain key competitive factors.

This report is a detailed and comprehensive analysis for global Halogen-Free Laminate 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 Halogen-Free Laminate market size and forecasts, in consumption value (\$ Million), sales quantity (K Sqm), and average selling prices (US\$/Sq m), 2021-2032

Global Halogen-Free Laminate market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Sqm), and average selling prices (US\$/Sq m), 2021-2032

Global Halogen-Free Laminate market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Sqm), and average selling prices (US\$/Sq m), 2021-2032

Global Halogen-Free Laminate market shares of main players, shipments in revenue (\$ Million), sales quantity (K Sqm), and ASP (US\$/Sq m), 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 Halogen-Free Laminate

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 Halogen-Free Laminate 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 Panasonic, Resonac, Isola Group, Doosan Electronic, Elite Material Co., Ltd, ITEQ, Nan Ya Plastics Corporation, Kingboard, SHENGYI Technology, Zhejiang Wazam, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Halogen-Free Laminate 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

FR?4

BT / HF-BT

CEM

Market segment by Laminate Type

Single-sided

Double-sided

Multilayer

Market segment by Application

Consumer Electronics

AI Servers / HPC

Communication and Network Equipment

Industrial Power Supplies

Automotive Electronics

Other

Major players covered

Panasonic

Resonac

Isola Group

Doosan Electronic

Elite Material Co., Ltd

ITEQ

Nan Ya Plastics Corporation

Kingboard

SHENGYI Technology

Zhejiang Wazam

Ventec International

Jin'an Guoji Group

Epoxy Base Electronic Material

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 Halogen-Free Laminate product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Halogen-Free Laminate, with price, sales quantity, revenue, and global market share of Halogen-Free Laminate from 2021 to 2026.

Chapter 3, the Halogen-Free Laminate competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Halogen-Free Laminate 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 Halogen-Free Laminate 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 Halogen-Free Laminate.

Chapter 14 and 15, to describe Halogen-Free Laminate sales channel, distributors, customers, research findings and conclusion.

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