

Global FR-4 Copper Clad Laminated Sheet 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 FR-4 Copper Clad Laminated Sheet market size was valued at US\$ 52312 million in 2025 and is forecast to a readjusted size of US\$ 73041 million by 2032 with a CAGR of 5.7% during review period.

In 2025, global production of FR-4 copper clad laminated sheets reached 8.2M tons, with an average selling price of USD 6,200 per ton, total production capacity of 9.3M tons, and a gross margin of 28%.

FR-4 copper clad laminated sheet is a composite material made by impregnating woven glass fiber fabric with epoxy resin and laminating copper foil on one or both sides. It offers excellent electrical insulation, mechanical strength, thermal resistance, and dimensional stability, making it the most widely used substrate material for printed circuit boards (PCBs). FR-4 strikes a balance between performance and cost and serves as a fundamental material in the electronics manufacturing industry.

Upstream of the FR-4 copper clad laminated sheet industry mainly includes glass fiber yarn and fabric, epoxy resin, curing agents, flame retardants, and electrolytic copper foil. The midstream consists of CCL manufacturers responsible for resin impregnation, lamination, and quality control. Downstream applications are concentrated in PCB manufacturing, ultimately serving end markets such as consumer electronics, communication equipment, automotive electronics, industrial control systems, and servers.

This report is a detailed and comprehensive analysis for global FR-4 Copper Clad

Laminated Sheet 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 FR-4 Copper Clad Laminated Sheet market size and forecasts, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global FR-4 Copper Clad Laminated Sheet market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global FR-4 Copper Clad Laminated Sheet market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global FR-4 Copper Clad Laminated Sheet market shares of main players, shipments in revenue (\$ Million), sales quantity (Kilotons), and ASP (US\$/Ton), 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 FR-4 Copper Clad Laminated Sheet
- 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 FR-4 Copper Clad Laminated Sheet 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 MITSUBISHI GAS CHEMICAL COMPANY, INC., Panasonic, ITEQ CORPORATION, Shengyi Technology Co.,Ltd., AGC, NAN YA PLASTICS CORPORATION, ZHEJIANG GOOD WORD ELECTRONIC CO.,LTD., Wuxi City Chifeng Metal Materials Co., Ltd., Guangzhou Shengrui Insulation Materials Co.,Ltd., Anhui YISUOLA composites Co, Ltd., etc.

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

Market Segmentation

FR-4 Copper Clad Laminated Sheet 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

Single Side FR-4 CCL Material

Double Side FR-4 CCL Material

Market segment by Resin System

Epoxy Resin FR4 CCL

Modified Epoxy FR4 CCL

Market segment by Glass Fabric Type

Standard E-glass FR4

High-strength Glass Fiber FR4

Market segment by Performance Grade

Standard FR4

High Tg FR4

Market segment by Application

Consumer Electronics

Communication Equipment

Industrial Instruments

Automobile

Others

Major players covered

MITSUBISHI GAS CHEMICAL COMPANY, INC.

Panasonic

ITEQ CORPORATION

Shengyi Technology Co.,Ltd.

AGC

NAN YA PLASTICS CORPORATION

ZHEJIANG GOOD WORD ELECTRONIC CO.,LTD.

Wuxi City Chifeng Metal Materials Co., Ltd.

Guangzhou Shengrui Insulation Materials Co.,Ltd.

Anhui YISUOLA composites Co, Ltd.

Xi' an Bairui Electronics Technology Co., Ltd.

Suzhou SWOT Technology Co. Ltd.

Hainan Fuwang Industrial

CIPEL ITALIA

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 FR-4 Copper Clad Laminated Sheet product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of FR-4 Copper Clad Laminated Sheet, with price, sales quantity, revenue, and global market share of FR-4 Copper Clad Laminated Sheet from 2021 to 2026.

Chapter 3, the FR-4 Copper Clad Laminated Sheet competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the FR-4 Copper Clad Laminated Sheet 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 FR-4 Copper Clad Laminated Sheet 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 FR-4 Copper Clad Laminated Sheet.

Chapter 14 and 15, to describe FR-4 Copper Clad Laminated Sheet sales channel, distributors, customers, research findings and conclusion.

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