

# Global AMB Substrate Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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## Abstracts

According to our (Global Info Research) latest study, the global AMB Substrate market size was valued at USD 385.9 million in 2022 and is forecast to a readjusted size of USD 1827.8 million by 2029 with a CAGR of 24.9% during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

The key global manufacturers of ABM ceramic substrates are Rogers Corporation, Heraeus Electronics, Toshiba Materials, Denka, KCC, Ferrotrc, and BYD. The top three manufacturers together account for 80% of the market share, with Denka being the largest producer with a 37% market share. The global origins are mainly located in Europe, Japan, China, Korea, etc., with Japan being the largest production region with a share of 40%. In terms of product categories, Si<sub>3</sub>N<sub>4</sub> AMB substrates have a higher market share of more than 90%, while AlN AMB substrates has a lower share. In terms of its application areas, the automotive industry is its first oldest far, occupying about 70% of the market share; followed by traction & railway and new energy & power grid areas.

Active Metal Brazing (AMB) is the latest developments in ceramic substrates and offers the ability to produce Heavy Copper with a AlN (Aluminium Nitride) or SiN (Silicon Nitride). The normal metallisation process is not used as AMB involves brazing pure copper on the ceramic in a high temperature vacuum brazing process. As well as offering a high reliability substrate with unique heat dissipation. The brazing technology also enables double sided copper weights of up to 800µm on thin ceramic substrates of just 0.25mm.

This report is a detailed and comprehensive analysis for global AMB Substrate 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 2023, are provided.

#### Key Features:

Global AMB Substrate market size and forecasts, in consumption value (\$ Million), sales quantity (Square Meters), and average selling prices (US\$/Square Meter), 2018-2029

Global AMB Substrate market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Square Meters), and average selling prices (US\$/Square Meter), 2018-2029

Global AMB Substrate market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Square Meters), and average selling prices (US\$/Square Meter), 2018-2029

Global AMB Substrate market shares of main players, shipments in revenue (\$ Million), sales quantity (Square Meters), and ASP (US\$/Square Meter), 2018-2023

#### 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 AMB Substrate

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 AMB Substrate 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 Rogers Corporation, Heraeus Electronics, Kyocera, NGK Electronics Devices and Toshiba Materials, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

## Market Segmentation

AMB Substrate market is split by Type and by Application. For the period 2018-2029, 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

Si3N4 AMB Substrates

AlN AMB Substrates

### Market segment by Application

Automotive

Traction & Railway

New Energy & Power Grid

Military & Aerospace

Industrial and Others

### Major players covered

Rogers Corporation

Heraeus Electronics

Kyocera

NGK Electronics Devices

Toshiba Materials

Denka

DOWA METALTECH

KCC

Amogreentech

Ferrotec

BYD

Shenzhen Xinzhou Electronic Technology

Zhejiang TC Ceramic Electronic

Shengda Tech

Beijing Moshi Technology

Nantong Winspower

Wuxi Tianyang Electronics

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 AMB Substrate product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of AMB Substrate, with price, sales, revenue and global market share of AMB Substrate from 2018 to 2023.

Chapter 3, the AMB Substrate competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the AMB Substrate breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

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 2017 to 2022. and AMB Substrate market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of AMB Substrate.

Chapter 14 and 15, to describe AMB Substrate sales channel, distributors, customers, research findings and conclusion.

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