

Global AMB Substrate Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global AMB Substrate market size is expected to reach \$ 1827.8 million by 2029, rising at a market growth of 24.9% CAGR during the forecast period (2023-2029).

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, Si₃N₄ 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 studies the global AMB Substrate production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for AMB

Substrate, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of AMB Substrate that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global AMB Substrate total production and demand, 2018-2029, (Square Meters)

Global AMB Substrate total production value, 2018-2029, (USD Million)

Global AMB Substrate production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Square Meters)

Global AMB Substrate consumption by region & country, CAGR, 2018-2029 & (Square Meters)

U.S. VS China: AMB Substrate domestic production, consumption, key domestic manufacturers and share

Global AMB Substrate production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Square Meters)

Global AMB Substrate production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Square Meters)

Global AMB Substrate production by Application production, value, CAGR, 2018-2029, (USD Million) & (Square Meters)

This reports 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, Toshiba Materials, Denka, DOWA METALTECH, KCC and Amogreentech, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World AMB Substrate market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Square Meters) and average price (US\$/Square Meter) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global AMB Substrate Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global AMB Substrate Market, Segmentation by Type

Si₃N₄ AMB Substrates

AlN AMB Substrates

Global AMB Substrate Market, Segmentation by Application

Automotive

Traction & Railway

New Energy & Power Grid

Military & Aerospace

Industrial and Others

Companies Profiled:

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

Key Questions Answered

1. How big is the global AMB Substrate market?
2. What is the demand of the global AMB Substrate market?
3. What is the year over year growth of the global AMB Substrate market?
4. What is the production and production value of the global AMB Substrate market?
5. Who are the key producers in the global AMB Substrate market?
6. What are the growth factors driving the market demand?

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