

Global Solid Precursors Supply, Demand and Key Producers, 2024-2030

<https://marketpublishers.com/r/G86A91AEBE95EN.html>

Date: March 2024

Pages: 84

Price: US\$ 4,480.00 (Single User License)

ID: G86A91AEBE95EN

Abstracts

The global Solid Precursors market size is expected to reach \$ 242.8 million by 2030, rising at a market growth of 23.3% CAGR during the forecast period (2024-2030).

This report studies the solid precursors are used in semiconductor applications and excel in Atomic Layer Deposition (ALD) and Chemical Vapor Deposition (CVD), especially for metals deposition. Solid precursors based on hafnium and zirconium have been used in semiconductor fabs for decades. New solid precursors based on aluminum (Al), molybdenum (Mo), and tungsten (W) are needed to meet the device and integration requirements for the latest generation of 3D devices. As layers become thinner, materials requirements often change. The drive toward fluorine-free materials mitigates yield loss that can occur when fluorine reacts with nanoscale layers in devices. In the case of W precursors, tungsten pentachloride (WCl₅) is replacing gaseous tungsten hexafluoride (WF₆). WCl₅ is a solid at room temperature.

This report studies the global Solid Precursors production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Solid Precursors, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2023 as the base year. This report explores demand trends and competition, as well as details the characteristics of Solid Precursors that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Solid Precursors total production and demand, 2019-2030, (Kg)

Global Solid Precursors total production value, 2019-2030, (USD Million)

Global Solid Precursors production by region & country, production, value, CAGR, 2019-2030, (USD Million) & (Kg)

Global Solid Precursors consumption by region & country, CAGR, 2019-2030 & (Kg)

U.S. VS China: Solid Precursors domestic production, consumption, key domestic manufacturers and share

Global Solid Precursors production by manufacturer, production, price, value and market share 2019-2024, (USD Million) & (Kg)

Global Solid Precursors production by Type, production, value, CAGR, 2019-2030, (USD Million) & (Kg)

Global Solid Precursors production by Application production, value, CAGR, 2019-2030, (USD Million) & (Kg).

This reports profiles key players in the global Solid Precursors 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 Entegris, Merck KGaA and TANAKA, 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 Solid Precursors market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kg) and average price (US\$/Kg) by manufacturer, by Type, and by Application. Data is given for the years 2019-2030 by year with 2023 as the base year, 2024 as the estimate year, and 2025-2030 as the forecast year.

Global Solid Precursors Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Solid Precursors Market, Segmentation by Type

Based on Al, Mo, and W

Based on Hafnium and Zirconium

Others (Ruthenium, etc.)

Global Solid Precursors Market, Segmentation by Application

ALD/CVD

Others (LED, etc.)

Companies Profiled:

Entegris

Merck KGaA

TANAKA

Key Questions Answered

1. How big is the global Solid Precursors market?
2. What is the demand of the global Solid Precursors market?
3. What is the year over year growth of the global Solid Precursors market?
4. What is the production and production value of the global Solid Precursors market?
5. Who are the key producers in the global Solid Precursors market?

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