

# Semiconductor Materials Market: Global Market Size, Forecast, Insights, and Competitive Landscape

<https://marketpublishers.com/r/S19F5885F6ABEN.html>

Date: November 2022

Pages: 160

Price: US\$ 2,299.00 (Single User License)

ID: S19F5885F6ABEN

## Abstracts

The global semiconductor materials market is expected to grow at a CAGR of around 3.7% during 2023-2030. This report on global semiconductor materials market report provides holistic understanding of the market along with market sizing, forecast, drivers, challenges, and competitive landscape. The report presents a clear picture of the global semiconductor materials market by segmenting the market based on material, application, end-use, and region. Also, detailed profiles of companies operating in the semiconductor materials market are provided in this report. We believe that this report will aid the professionals and industry stakeholders in making informed decision.

### Market Drivers

Growing Industrialization

Escalating Demand for Consumer Electronics

Technological Advancements and Internet of Things

### Market Challenges

Threat of Substitutes

Fluctuating Raw Material Prices

### Historical & Forecast Period

Base Year: 2022

Historical Period: 2018-2022

Forecast Period: 2023-2030

### Market by Material

Silicon Carbide

Gallium Manganese Arsenide

Copper Indium Gallium Selenide

Molybdenum Disulfide

Bismuth Telluride

### Market by Application

#### Fabrication

Silicon Wafers

Electronic gases

Photomasks

Photoresist ancillaries

CMP Materials

Photoresists

Wet chemicals

Others

## Packaging

Leadframes

Organic Substrates

Ceramic Packages

Encapsulation Resins

Bonding Wires

Die-Attach Materials

Others

## Market by End-Use

Consumer Electronics

Manufacturing

Automotive

Energy and Utility

Others

## Market by Region

Europe

Germany

United Kingdom

France

Italy

Spain

Russia

Netherlands

Rest of Europe

North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Rest of Asia Pacific

Latin America

Mexico

Brazil

Argentina

Rest of Latin America

Middle East & Africa

Saudi Arabia

Turkey

Iran

United Arab Emirates

Rest of Middle East & Africa

## Contents

### **1. PREFACE**

- 1.1 Objective
- 1.2 Target Audience & Key Offerings
- 1.3 Report's Scope
- 1.4 Research Methodology
  - 1.4.1 Phase I
  - 1.4.2 Phase II
  - 1.4.3 Phase III
- 1.5 Assumptions

### **2. KEY INSIGHTS**

### **3. GLOBAL SEMICONDUCTOR MATERIALS MARKET**

- 3.1. Introduction
- 3.2. Market Drivers
- 3.3. Market Challenges

### **4. GLOBAL SEMICONDUCTOR MATERIALS MARKET ANALYSIS**

- 4.1. Market Portraiture
- 4.2. Market Size
- 4.3. Market Forecast
- 4.4. Impact of COVID-19

### **5. GLOBAL SEMICONDUCTOR MATERIALS MARKET BY MATERIAL**

- 5.1. Introduction
- 5.2. Silicon Carbide
- 5.3. Gallium Manganese Arsenide
- 5.4. Copper Indium Gallium Selenide
- 5.5. Molybdenum Disulfide
- 5.6. Bismuth Telluride

### **6. GLOBAL SEMICONDUCTOR MATERIALS MARKET BY APPLICATION**

- 6.1 Introduction
- 6.2 Fabrication
  - 6.2.1 Silicon Wafers
  - 6.2.2 Electronic gases
  - 6.2.3 Photomasks
  - 6.2.4 Photoresist ancillaries
  - 6.2.5 CMP Materials
  - 6.2.6 Photoresists
  - 6.2.7 Wet chemicals
  - 6.2.8 Others
- 6.3 Packaging
  - 6.3.1 Leadframes
  - 6.3.2 Organic Substrates
  - 6.3.3 Ceramic Packages
  - 6.3.4 Encapsulation Resins
  - 6.3.5 Bonding Wires
  - 6.3.6 Die-Attach Materials
  - 6.3.7 Others

## **7. GLOBAL SEMICONDUCTOR MATERIALS MARKET BY END-USE**

- 7.1 Introduction
- 7.2 Consumer Electronics
- 7.3 Manufacturing
- 7.4 Automotive
- 7.5 Energy and Utility
- 7.6 Others

## **8. GLOBAL SEMICONDUCTOR MATERIALS MARKET BY REGION**

- 8.1 Introduction
- 8.2 Europe
  - 8.2.1 Germany
  - 8.2.2 United Kingdom
  - 8.2.3 France
  - 8.2.4 Italy
  - 8.2.5 Spain
  - 8.2.6 Russia
  - 8.2.7 Netherlands

- 8.2.8 Rest of the Europe
- 8.3 North America
  - 8.3.1 United States
  - 8.3.2 Canada
- 8.4 Asia Pacific
  - 8.4.1 China
  - 8.4.2 Japan
  - 8.4.3 India
  - 8.4.4 South Korea
  - 8.4.5 Australia
  - 8.4.6 Indonesia
  - 8.4.7 Rest of the Asia Pacific
- 8.5 Latin America
  - 8.5.1 Mexico
  - 8.5.2 Brazil
  - 8.5.3 Argentina
  - 8.5.4 Rest of Latin America
- 8.6 Middle East & Africa
  - 8.6.1 Saudi Arabia
  - 8.6.2 Turkey
  - 8.6.2 Iran
  - 8.6.3 United Arab Emirates
  - 8.6.4 Rest of Middle East & Africa

## **9. SWOT ANALYSIS**

## **10. PORTER'S FIVE FORCES**

## **11. MARKET VALUE CHAIN ANALYSIS**

## **12. COMPETITIVE LANDSCAPE**

- 12.1 Competitive Scenario
- 12.2 Company Profiles
  - 12.2.1 BASF SE
  - 12.2.2 Indium Corporation
  - 12.2.3 Hitachi Chemical Co. Ltd
  - 12.2.4 KYOCERA Corporation
  - 12.2.5 Henkel AG & Company KGAA



- 12.2.6 Sumitomo Chemical Co. Ltd
- 12.2.7 DowDuPont Inc.
- 12.2.8 International Quantum Epitaxy PLC
- 12.2.9 Nichia Corporation
- 12.2.10 Intel Corporation
- 12.2.11 UTAC Holdings Ltd.

## List Of Tables

### LIST OF TABLES

Table 1: Global Semiconductor Materials Market Portraiture

Table 2: Global Semiconductor Materials Market by Material (in US\$ Million), 2022 & 2030

Table 3: Global Semiconductor Materials Market by Application (in US\$ Million), 2022 & 2030

Table 4: Fabrication Semiconductor Materials Market by Type (in US\$ Million), 2022 & 2030

Table 5: Packaging Semiconductor Materials Market by Type (in US\$ Million), 2022 & 2030

Table 6: Global Semiconductor Materials Market by End Use (in US\$ Million), 2022 & 2030

Table 7: Global Semiconductor Materials Market by Region (in US\$ Million), 2022 & 2030

Table 8: Europe Semiconductor Materials Market by Country (in US\$ Million), 2022 & 2030

Table 9: North America Semiconductor Materials Market by Country (in US\$ Million), 2022 & 2030

Table 10: Asia Pacific Semiconductor Materials Market by Country (in US\$ Million), 2022 & 2030

Table 11: Latin America Semiconductor Materials Market by Country (in US\$ Million), 2022 & 2030

Table 12: Middle East & Africa Semiconductor Materials Market by Country (in US\$ Million), 2022 & 2030

Table 13: List of Key Players

## List Of Figures

### LIST OF FIGURES

Figure 1: Global Semiconductor Materials Market (in US\$ Million), 2018-2022

Figure 2: Global Semiconductor Materials Market by Material, 2022

Figure 3: Global Semiconductor Materials Market by Application, 2022

Figure 4: Global Semiconductor Materials Market by End Use, 2022

Figure 5: Global Semiconductor Materials Market by Region, 2022

Figure 6: Global Semiconductor Materials Market (in US\$ Million), 2023-2030

Figure 7: Global Semiconductor Materials Market by Material (in %), 2022 & 2030

Figure 8: Global Silicon Carbide Semiconductor Materials Market (in US\$ Million), 2018-2022

Figure 9: Global Silicon Carbide Semiconductor Materials Market (in US\$ Million), 2023-2030

Figure 10: Global Gallium Manganese Arsenide Semiconductor Materials Market (in US\$ Million), 2018-2022

Figure 11: Global Gallium Manganese Arsenide Semiconductor Materials Market (in US\$ Million), 2023-2030

Figure 12: Global Copper Indium Gallium Selenide Semiconductor Materials Market (in US\$ Million), 2018-2022

Figure 13: Global Copper Indium Gallium Selenide Semiconductor Materials Market (in US\$ Million), 2023-2030

Figure 14: Global Molybdenum Disulfide Semiconductor Materials Market (in US\$ Million), 2018-2022

Figure 15: Global Molybdenum Disulfide Semiconductor Materials Market (in US\$ Million), 2023-2030

Figure 16: Global Bismuth Telluride Semiconductor Materials Market (in US\$ Million), 2018-2022

Figure 17: Global Bismuth Telluride Semiconductor Materials Market (in US\$ Million), 2023-2030

Figure 18: Global Semiconductor materials Market by Application (in %), 2022 & 2030

Figure 19: Global Fabrication Semiconductor Materials Market (in US\$ Million), 2018-2022

Figure 20: Global Fabrication Semiconductor Materials Market (in US\$ Million), 2023-2030

Figure 21: Silicon Wafers Fabrication Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 22: Electronic gases Fabrication Semiconductor Materials Market (in US\$

Million), 2018-2030

Figure 23: Photomasks Fabrication Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 24: Photoresist ancillaries Fabrication Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 25: CMP Materials Fabrication Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 26: Photoresists Fabrication Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 27: Wet Chemicals Fabrication Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 28: Other Fabrication Applications Market (in US\$ Million), 2018-2030

Figure 29: Global Packaging Semiconductor Materials Market (in US\$ Million), 2018-2022

Figure 30: Global Packaging Semiconductor Materials Market (in US\$ Million), 2023-2030

Figure 31: Leadframes Packaging Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 32: Organic Substrates Packaging Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 33: Ceramic Packages Packaging Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 34: Encapsulation Resins Packaging Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 35: Bonding Wires Packaging Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 36: Die-Attach Materials Packaging Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 37: Other Packaging Applications Market (in US\$ Million), 2018-2030

Figure 38: Global Semiconductor Materials Market by End Use (in %), 2022 & 2030

Figure 39: Global Consumer Electronics Semiconductor Materials Market (in US\$ Million), 2018-2022

Figure 40: Global Consumer Electronics Semiconductor Materials Market (in US\$ Million), 2023-2030

Figure 41: Global Manufacturing Semiconductor Materials Market (in US\$ Million), 2018-2022

Figure 42: Global Manufacturing Semiconductor Materials Market (in US\$ Million), 2023-2030

Figure 43: Global Automotive Semiconductor Materials Market (in US\$ Million),

2018-2022

Figure 44: Global Automotive Semiconductor Materials Market (in US\$ Million),  
2023-2030

Figure 45: Global Energy and Utility Semiconductor Materials Market (in US\$ Million),  
2018-2022

Figure 46: Global Energy and Utility Semiconductor Materials Market (in US\$ Million),  
2023-2030

Figure 47: Global Other End Uses Market (in US\$ Million), 2018-2022

Figure 48: Global Other End Uses Market (in US\$ Million), 2023-2030

Figure 49: Global Semiconductor Materials Market by Region (in %), 2022 & 2030

Figure 50: Europe Semiconductor Materials Market (in US\$ Million), 2018-2022

Figure 51: Europe Semiconductor Materials Market (in US\$ Million), 2023-2030

Figure 52: Europe Semiconductor Materials Market by Country (in %), 2022 & 2030

Figure 53: Germany Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 54: United Kingdom Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 55: France Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 56: Italy Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 57: Spain Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 58: Russia Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 59: Netherlands Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 60: North America Semiconductor Materials Market (in US\$ Million), 2018-2022

Figure 61: North America Semiconductor Materials Market (in US\$ Million), 2023-2030

Figure 62: North America Semiconductor Materials Market by Country (in %), 2022 &  
2030

Figure 63: United States Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 64: Canada Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 65: Asia Pacific Semiconductor Materials Market (in US\$ Million), 2018-2022

Figure 66: Asia Pacific Semiconductor Materials Market (in US\$ Million), 2023-2030

Figure 67: Asia Pacific Semiconductor Materials Market by Country (in %), 2022 & 2030

Figure 68: China Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 69: Japan Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 70: India Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 71: South Korea Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 72: Australia Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 73: Indonesia Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 74: Latin America Semiconductor Materials Market (in US\$ Million), 2018-2022

Figure 75: Latin America Semiconductor Materials Market (in US\$ Million), 2023-2030

Figure 76: Latin America Semiconductor Materials Market by Country (in %), 2022 &  
2030

Figure 77: Mexico Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 78: Brazil Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 79: Argentina Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 80: Middle East & Africa Semiconductor Materials Market (in US\$ Million), 2018-2022

Figure 81: Middle East & Africa Semiconductor Materials Market (in US\$ Million), 2023-2030

Figure 82: Middle East & Africa Semiconductor Materials Market by Country (in %), 2022 & 2030

Figure 83: Saudi Arabia Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 84: Turkey Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 85: Iran Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 86: UAE Semiconductor Materials Market (in US\$ Million), 2018-2030

Figure 87: Market Value Chain

## I would like to order

Product name: Semiconductor Materials Market: Global Market Size, Forecast, Insights, and Competitive Landscape

Product link: <https://marketpublishers.com/r/S19F5885F6ABEN.html>

Price: US\$ 2,299.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/S19F5885F6ABEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

