

# **Global Conductive Silicone Rubber Market Size Study, by Product (Thermally Conductive, Electrically Conductive, Others), by Application (Automotive & Transportation, Electrical & Electronics, Industrial Machines), and Regional Forecasts 2022-2032**

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## **Abstracts**

The Global Conductive Silicone Rubber Market is currently valued at approximately USD 7.18 billion in 2023 and is poised to grow at a robust compound annual growth rate (CAGR) of 8.00% during the forecast period from 2024 to 2032. Conductive silicone rubber has emerged as an essential material across various industries, known for its unique ability to combine electrical conductivity with mechanical flexibility. Its inherent thermal stability, durability, and resistance to extreme environmental conditions make it indispensable in applications ranging from automotive components to advanced electronic devices. The surging demand for lightweight, high-performance materials in critical industries continues to drive the market forward.

The market's growth trajectory is fueled by the increasing adoption of electric vehicles (EVs) and the expansion of renewable energy infrastructures. Automotive manufacturers are progressively utilizing conductive silicone rubber in EV battery packs and charging systems, given its efficiency in thermal management and EMI shielding. Simultaneously, the electronics sector thrives on its role in the miniaturization and performance enhancement of devices. However, complexities in material formulation and the relatively high cost of conductive silicone rubber pose challenges to broader adoption. Nevertheless, ongoing advancements in material science and manufacturing techniques are anticipated to address these issues effectively.

Regionally, North America and Europe represent mature markets for conductive silicone rubber, driven by well-established industries in automotive, aerospace, and electronics.

Stringent environmental regulations in these regions are encouraging the use of eco-friendly materials, further bolstering market growth. Meanwhile, the Asia-Pacific region is poised for the fastest growth, underpinned by rapid industrialization, burgeoning automotive production, and the electronics manufacturing boom. Countries like China, Japan, and South Korea stand at the forefront of innovation and consumption, offering lucrative opportunities for market players to expand their footprints.

Major market players included in this report are:

Momentive Performance Materials Inc.

Wacker Chemie AG

Shin-Etsu Chemical Co., Ltd.

Dow Inc.

KCC Corporation

Elkem ASA

Nusil Technology LLC

Reiss Manufacturing Inc.

Saint-Gobain Performance Plastics

Rogers Corporation

Specialty Silicone Products, Inc.

3M Company

CHENGUANG Research Institute of Chemical Industry

Daikin Industries, Ltd.

Zeon Corporation

The detailed segments and sub-segments of the market are explained below:

By Product:

Thermally Conductive

Electrically Conductive

Others

By Application:

Automotive & Transportation

Electrical & Electronics

Industrial Machines

By Region:

North America:

U.S.

Canada

Europe:

UK

Germany

France

Spain

Italy

Rest of Europe

Asia-Pacific:

China

India

Japan

Australia

South Korea

Rest of Asia-Pacific

Latin America:

Brazil

Mexico

Middle East & Africa:

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years considered for the study are as follows:

*Global Conductive Silicone Rubber Market Size Study, by Product (Thermally Conductive, Electrically Conductive...*

Historical Year: 2022

Base Year: 2023

Forecast Period: 2024 to 2032

#### Key Takeaways:

Comprehensive market estimates and forecasts for a 10-year period (2022-2032).

Annualized revenue analysis at regional levels for each market segment.

Insights into regional and country-specific market dynamics.

Analysis of the competitive landscape and key market players.

Strategic recommendations and future market outlook.

Supply and demand analysis with trends and forecasts.

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