

Silicones: Global Markets

Market Research Report | 2024-08-08 | 135 pages | BCC Research

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Report description:

Description

Report Scope:

This report primarily focuses on silicone and its industrial applications in transportation, construction, personal care, energy, healthcare, electronics and others sectors. This report covers some of the parameters of silicone examined by industries and regulatory bodies due to their growing advances and expansions in the numerous industrial sectors. BCC Research analyzed essential categories and regions to determine the present and future silicone market status and forecasted market growth from 2024 to 2029. This report also discusses market strategies, market ESG development, regulatory landscape, key players in countries and market driving forces. It segments the market by region: Asia-Pacific, Europe, North America and the Rest of the World (RoW).

The global silicone market is segmented into -

Product form: Silicone elastomers, silicone fluids, silicone resins, silicone gels and others.

End use: Industrial processes, construction, personal care and consumer goods, transportation, energy, healthcare, electronics and others.

The market estimations and size are provided in terms of value (\$ Millions) and volume (kilotons), with 2023 serving as the base year and market forecasts given for the period 2024 to 2029. Regional-level market sizes, with respect to product form and end users, are also provided.

Report Includes:

- 67 data tables and 50 additional tables
- An analysis of the current and future global markets for silicones

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- Analyses of global market trends, with market revenue data from 2022 to 2023, estimates for 2024, forecasts for 2025, and projected CAGRs through 2029
- Estimates of the market size in terms of value and volume, its revenue prospects, and a market share analysis by product form, end-use industry and region
- Facts and figures pertaining to the market dynamics, technological advances, regulations, and future prospects of silicone polymers in industrial and consumer applications
- A look at recent patent grants
- Overview of sustainability trends and ESG developments, with emphasis on consumer attitudes, ESG score analysis, and the ESG practices of leading companies
- Analysis of the industry structure, including company market shares, strategic alliances, M&A activity and venture funding outlook
- Company profiles of market leaders, including Wacker Chemie AG, DuPont, Shin-Etsu Chemical Co. Ltd., Dow, Elkem ASA

Executive Summary

Summary:

The global silicone market has experienced steady growth in recent years, driven by the increasing demand for silicone-based products across various industries, including construction, automotive, healthcare and electronics. Silicones are versatile materials that offer unique properties, including thermal stability, chemical resistance and flexibility, making them suitable for various applications. The silicone market is rising due to the development of new silicone products and advancements in manufacturing techniques, which elevate the material's capabilities. These advancements make silicones essential components across various industries, fueled by the ever-increasing demand for strong and durable bonding solutions.

The incorporation of silicone has led to a surge in its use for various car parts in the automotive sector. Engine gaskets, sensors, internal and external coatings, and accessories depend on silicones' adhesion and durability. Specialized silicones are employed in the construction industry for their ability to withstand high temperatures. The electronics industry also continues to be a significant market for silicone, especially with the growth of consumer goods and rising industrialization.

Sustainability and recycling are also major trends shaping the market. Stringent regulations are pushing manufacturers to develop new silicone recycling techniques. ECO USA Recycling, Ecovalley Silicones Pvt. Ltd. and Harmony Recycling Inc. are among the companies offering recycling services. This shift offers comparable performance to traditional options with a significantly reduced environmental footprint.

The regions encompassing the silicone market are North America, Asia-Pacific, Europe and the RoW. In 2023, Asia-Pacific dominated the silicone market, accounting for a 44.9% global market share. China and the U.S. are the factors driving the international market, as they are among the top manufacturers and exporters of automotive, building and construction, electronics and consumer goods, which significantly impacts their economies. This is expected to grow in the future.

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CHT GERMANY GMBH
DOW
DUPONT
DYSTAR SINGAPORE PTE. LTD.
ELKEM ASA
EVONIK INDUSTRIES AG
INNOSPEC
KCC SILICONE CORP.
MITSUBISHI SHOJI CHEMICAL CORP.
SHIN-ETSU CHEMICAL CO. LTD.
SILCHEM INC.
SPECIALTY SILICONE PRODUCTS INC.
WACKER CHEMIE AG

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