

Silicone Potting Compounds Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Market Report | 2023-11-24 | 139 pages | IMARC Group

AVAILABLE LICENSES:

- Electronic (PDF) Single User \$2499.00
- Five User Licence \$3499.00
- Enterprisewide License \$4499.00

Report description:

The global silicone potting compounds market size reached US\$ 1,033 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 1,372 Million by 2028, exhibiting a growth rate (CAGR) of 4.84% during 2022-2028.

Silicone potting compounds are liquid materials used to fill electronic components or assemblies with solid compounds for protection against the surrounding environment. Thermosetting plastics, epoxy, polyurethane and silicon rubber gels are among the commonly used silicone potting compounds. These compounds, once applied, cured and hardened, encase the electronic components in a solid mass that provides a barrier against moisture, vibration, heat, contamination and physical shocks. They can be applied to power transformers, circuit boards, relays, amplifiers, coils and ferrite cores using manual or automated meter-mix-dispense (MMD) equipment. They also provide a wide operating temperature and hardness range and are widely used across various industries, including electronics, aerospace, automotive, energy, marine and solar power.

Global Silicone Potting Compounds Market Trends:

Significant growth in the electronics industry across the globe is one of the key factors creating a positive outlook for the market. Silicon potting compounds are widely used for coating industrial electronic components, such as capacitors, solenoids, industrial magnets, beam bonded components, microprocessors and memory devices. Moreover, the increasing demand for consumer electronics and miniaturized devices is providing a thrust to the growth of the market. Thermally conductive potting compounds offer effective pathways to dissipate the heat from a heat-generating source to a metal enclosure in compact devices. In line with this, the widespread adoption of these composites in the aerospace industry for shock insulation and corrosion resistance is also contributing to the market growth. Additionally, various product innovations, such as the development of ultraviolet (UV)-cured silicone potting compounds, are acting as other growth-inducing factors. These compounds offer enhanced insulation properties, bond strength and lower energy consumption. Other factors, including rapid industrialization, along with extensive research and development (R&D) activities, are anticipated to drive the market toward growth.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global silicone potting compounds market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on curing technique, application and end use industry.

Breakup by Curing Technique:

- UV Curing
- Thermal Curing
- Room Temperature Curing

Breakup by Application:

- Electricals
 - Capacitors
 - Transformers
 - Cable Joints
 - Industrial Magnets
 - Solenoids
 - Others
- Electronics
 - Surface Mount Packages
 - Beam Bonded Components
 - Memory Devices and Microprocessors
 - Others

Breakup by End Use Industry:

- Consumer Electronics
- Aerospace
- Automotive
- Energy and Power
- Others

Breakup by Region:

- North America
 - United States
 - Canada
- Asia-Pacific
 - China
 - Japan
 - India
 - South Korea
 - Australia
 - Indonesia

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Altana AG, CHT Germany GmbH, Dymax Corporation, Henkel AG & Co. KGaA, Herson Manufacturing Inc, Master Bond Inc., MG Chemicals, Novagard Solutions, Parker-Hannifin Corp. and The Dow Chemical Company (Dow Inc).

Key Questions Answered in This Report

1. What is the expected growth rate of the global silicone potting compounds market during 2023-2028?
2. What are the key factors driving the global silicone potting compounds market?
3. What has been the impact of COVID-19 on the global silicone potting compounds market?
4. What is the breakup of the global silicone potting compounds market based on the curing technique?
5. What is the breakup of the global silicone potting compounds market based on the application?
6. What are the key regions in the global silicone potting compounds market?
7. Who are the key players/companies in the global silicone potting compounds market?

Table of Contents:

- 1 Preface
- 2 Scope and Methodology
 - 2.1 Objectives of the Study
 - 2.2 Stakeholders
 - 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
 - 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
 - 2.5 Forecasting Methodology
- 3 Executive Summary
- 4 Introduction
 - 4.1 Overview
 - 4.2 Key Industry Trends
- 5 Global Silicone Potting Compounds Market
 - 5.1 Market Overview

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast
- 6 Market Breakup by Curing Technique
 - 6.1 UV Curing
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
 - 6.2 Thermal Curing
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
 - 6.3 Room Temperature Curing
 - 6.3.1 Market Trends
 - 6.3.2 Market Forecast
- 7 Market Breakup by Application
 - 7.1 Electricals
 - 7.1.1 Market Trends
 - 7.1.2 Key Segments
 - 7.1.2.1 Capacitors
 - 7.1.2.2 Transformers
 - 7.1.2.3 Cable Joints
 - 7.1.2.4 Industrial Magnets
 - 7.1.2.5 Solenoids
 - 7.1.2.6 Others
 - 7.1.3 Market Forecast
 - 7.2 Electronics
 - 7.2.1 Market Trends
 - 7.2.2 Key Segments
 - 7.2.2.1 Surface Mount Packages
 - 7.2.2.2 Beam Bonded Components
 - 7.2.2.3 Memory Devices and Microprocessors
 - 7.2.2.4 Others
 - 7.2.3 Market Forecast
- 8 Market Breakup by End Use Industry
 - 8.1 Consumer Electronics
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
 - 8.2 Aerospace
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
 - 8.3 Automotive
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
 - 8.4 Energy and Power
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast
 - 8.5 Others
 - 8.5.1 Market Trends

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 8.5.2 Market Forecast
- 9 Market Breakup by Region
 - 9.1 North America
 - 9.1.1 United States
 - 9.1.1.1 Market Trends
 - 9.1.1.2 Market Forecast
 - 9.1.2 Canada
 - 9.1.2.1 Market Trends
 - 9.1.2.2 Market Forecast
 - 9.2 Asia-Pacific
 - 9.2.1 China
 - 9.2.1.1 Market Trends
 - 9.2.1.2 Market Forecast
 - 9.2.2 Japan
 - 9.2.2.1 Market Trends
 - 9.2.2.2 Market Forecast
 - 9.2.3 India
 - 9.2.3.1 Market Trends
 - 9.2.3.2 Market Forecast
 - 9.2.4 South Korea
 - 9.2.4.1 Market Trends
 - 9.2.4.2 Market Forecast
 - 9.2.5 Australia
 - 9.2.5.1 Market Trends
 - 9.2.5.2 Market Forecast
 - 9.2.6 Indonesia
 - 9.2.6.1 Market Trends
 - 9.2.6.2 Market Forecast
 - 9.2.7 Others
 - 9.2.7.1 Market Trends
 - 9.2.7.2 Market Forecast
 - 9.3 Europe
 - 9.3.1 Germany
 - 9.3.1.1 Market Trends
 - 9.3.1.2 Market Forecast
 - 9.3.2 France
 - 9.3.2.1 Market Trends
 - 9.3.2.2 Market Forecast
 - 9.3.3 United Kingdom
 - 9.3.3.1 Market Trends
 - 9.3.3.2 Market Forecast
 - 9.3.4 Italy
 - 9.3.4.1 Market Trends
 - 9.3.4.2 Market Forecast
 - 9.3.5 Spain
 - 9.3.5.1 Market Trends
 - 9.3.5.2 Market Forecast

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 9.3.6 Russia
 - 9.3.6.1 Market Trends
 - 9.3.6.2 Market Forecast
- 9.3.7 Others
 - 9.3.7.1 Market Trends
 - 9.3.7.2 Market Forecast
- 9.4 Latin America
 - 9.4.1 Brazil
 - 9.4.1.1 Market Trends
 - 9.4.1.2 Market Forecast
 - 9.4.2 Mexico
 - 9.4.2.1 Market Trends
 - 9.4.2.2 Market Forecast
 - 9.4.3 Others
 - 9.4.3.1 Market Trends
 - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa
 - 9.5.1 Market Trends
 - 9.5.2 Market Breakup by Country
 - 9.5.3 Market Forecast
- 10 SWOT Analysis
 - 10.1 Overview
 - 10.2 Strengths
 - 10.3 Weaknesses
 - 10.4 Opportunities
 - 10.5 Threats
- 11 Value Chain Analysis
- 12 Porters Five Forces Analysis
 - 12.1 Overview
 - 12.2 Bargaining Power of Buyers
 - 12.3 Bargaining Power of Suppliers
 - 12.4 Degree of Competition
 - 12.5 Threat of New Entrants
 - 12.6 Threat of Substitutes
- 13 Price Analysis
- 14 Competitive Landscape
 - 14.1 Market Structure
 - 14.2 Key Players
 - 14.3 Profiles of Key Players
 - 14.3.1 Altana AG
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.1.3 SWOT Analysis
 - 14.3.2 CHT Germany GmbH
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
 - 14.3.3 Dymax Corporation

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 14.3.3.1 Company Overview
- 14.3.3.2 Product Portfolio
- 14.3.4 Henkel AG & Co. KGaA
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio
 - 14.3.4.3 Financials
 - 14.3.4.4 SWOT Analysis
- 14.3.5 Hernon Manufacturing Inc
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio
- 14.3.6 Master Bond Inc.
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
- 14.3.7 MG Chemicals
 - 14.3.7.1 Company Overview
 - 14.3.7.2 Product Portfolio
- 14.3.8 Novagard Solutions
 - 14.3.8.1 Company Overview
 - 14.3.8.2 Product Portfolio
- 14.3.9 Parker-Hannifin Corp.
 - 14.3.9.1 Company Overview
 - 14.3.9.2 Product Portfolio
 - 14.3.9.3 Financials
 - 14.3.9.4 SWOT Analysis
- 14.3.10 The Dow Chemical Company (Dow Inc)
 - 14.3.10.1 Company Overview
 - 14.3.10.2 Product Portfolio

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Silicone Potting Compounds Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Market Report | 2023-11-24 | 139 pages | IMARC Group

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Electronic (PDF) Single User	\$2499.00
	Five User Licence	\$3499.00
	Enterprisewide License	\$4499.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2025-06-24"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com



Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com
www.scotts-international.com