

Middle East & Africa Encapsulated Gaskets and Seals Market Forecast to 2030 - Regional Analysis - by Material (Silicon, Neoprene, Viton, Teflon, and Others) and End Use (Oil and Gas, Food, Pharmaceutical, Chemical, Automotive, and Others)

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Abstracts

The Middle East & Africa encapsulated gaskets and seals market was valued at US\$ 56.62 million in 2022 and is expected to reach US\$ 92.65 million by 2030; it is estimated to register a CAGR of 6.3% from 2022 to 2030.

Advancements in Manufacturing Technologies Bolster Middle East & Africa Encapsulated Gaskets and Seals Market

Automated systems enhance efficiency, reduce production time, and minimize errors in application processes. The integration of smart sensors allows real-time monitoring of various parameters during the gasket application process. This includes monitoring material dispensing, production, and quality control, leading to improved product consistency and reliability. Precision manufacturing, machining, and molding technologies for the production of encapsulated gaskets and seals offer tight tolerances and improved dimensional accuracy. Advanced machining, such as Computer Numerical Control (CNC), enables the creation of intricate and complex designs. This precision in manufacturing is essential for producing gaskets with specific shapes and profiles tailored to the requirements of diverse industrial applications.

Nano materials, robotics & automation, and advanced forming are some of the novel manufacturing technologies with a promising scope in the development of encapsulated gaskets and seals market. Precision manufacturing facilities are designed to have quick changeover capabilities, allowing for the rapid transition between gasket specifications.

Integrating technologies such as CNC systems, sensors, and high-precision actuators offers exceptional accuracy and precision. Thus, advancements in manufacturing technologies are expected to expand the potential of the encapsulated gaskets and seals market.

Middle East & Africa Encapsulated Gaskets and Seals Market Overview

The Middle East, known for its thriving oil & gas sector, has been a pivotal force behind the increased demand for encapsulated gaskets and seals. These specialized seals, featuring an additional protective layer, offer durability and resistance to extreme temperatures, chemicals, and pressure-critical attributes in the challenging environments prevalent in the region's energy industry. According to the National Iranian Oil Company, the country has ~158 billion barrels of crude oil reserves. According to data from Gachsaran Oil & Gas Production Company, the field, which has been in operation since 1930, currently produces 650,000 bpd of oil. Moreover, as industrial activities in the Middle East have expanded, the need for reliable sealing solutions in applications such as pipelines, valves, and drilling equipment has intensified, further propelling the market for encapsulated gaskets and seals.

In Africa, the burgeoning manufacturing sector has played an important role in driving the demand for advanced sealing technologies. Encapsulated gaskets and seals find extensive use in machinery, automotive, and processing equipment, where their enhanced resistance and durability to wear and tear make them indispensable. This demand is further fueled by the region's growing infrastructure projects, emphasizing the importance of robust sealing solutions in construction and heavy machinery applications. In addition, the mining industry in Africa is booming. For instance, the report published by the Minerals Council of South Africa in 2022 revealed that the mining production in South Africa was valued at US\$ 57 billion in 2021 and reached US\$ 61 billion in 2022.

In South Africa, mining exports accounted for US\$ 46.3 billion, or 24% of the country's international trade, in 2022. The total sales of iron ore in South Africa accounted for US\$ 5.4 billion in 2022, representing a rise of 47.3% compared to 2019. In addition, according to the International Trade Administration, Saudi Arabia's untapped mineral reserves accounted for US\$ 1.3 trillion in 2021. Further, the World Mining Data 2022 report by the Federal Ministry of the Republic of Austria revealed that Africa accounted for 889.6 million metric tons of mineral production (excluding bauxite). The mining production rate of minerals in Africa increased by 16.2% from 2000 to 2020.

Key players in the encapsulated gaskets and seals market have strategically positioned themselves to cater to the unique needs of the Middle East & Africa, offering tailored solutions for diverse industries. Technological advancements and innovations in material science have also contributed to the market growth. Companies operating in the market are continuously developing new formulations to enhance the performance of encapsulated gaskets and seals in challenging operational conditions. As these regions continue to witness industrial expansion, the encapsulated gaskets and seals market is poised for sustained growth, driven by the imperative for reliable and durable sealing solutions across diverse applications.

Middle East & Africa Encapsulated Gaskets and Seals Market Revenue and Forecast to 2030 (US\$ Million)

Middle East & Africa Encapsulated Gaskets and Seals Market Segmentation

The Middle East & Africa encapsulated gaskets and seals market is categorized into material, end use, and country.

Based on material, the Middle East & Africa encapsulated gaskets and seals market is segmented into silicon, neoprene, Viton, Teflon, and others. The Viton segment held the largest market share in 2022.

Based on end use, the Middle East & Africa encapsulated gaskets and seals market is segmented into oil and gas, food, pharmaceutical, chemical, automotive, and others. The oil and gas segment held the largest market share in 2022.

By country, the Middle East & Africa encapsulated gaskets and seals market is segmented into South Africa, Saudi Arabia, the UAE, and the Rest of Middle East & Africa. The Rest of Middle East & Africa dominated the Middle East & Africa encapsulated gaskets and seals market share in 2022.

AS Aston Seals SPA, Gasco Inc, Trelleborg AB, and VH Polymers are some of the leading companies operating in the Middle East & Africa encapsulated gaskets and seals market.

Contents

1. INTRODUCTION

- 1.1 The Insight Partners Research Report Guidance
- 1.2 Market Segmentation

2. EXECUTIVE SUMMARY

- 2.1 Key Insights
- 2.2 Market Attractiveness

3. RESEARCH METHODOLOGY

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research

4. MIDDLE EAST & AFRICA ENCAPSULATED GASKETS AND SEALS MARKET LANDSCAPE

- 4.1 Overview
- 4.2 Porter's Five Forces Analysis
 - 4.2.1 Threat of New Entrants
 - 4.2.2 Threat of Substitutes
 - 4.2.3 Bargaining Power of Buyers
 - 4.2.4 Bargaining Power of Suppliers
 - 4.2.5 Competitive Rivalry
- 4.3 Ecosystem Analysis
 - 4.3.1 Raw Material Suppliers
 - 4.3.2 Manufacturers
 - 4.3.3 Distributors or Suppliers
 - 4.3.4 End-use Industry

5. MIDDLE EAST & AFRICA ENCAPSULATED GASKETS AND SEALS MARKET - KEY MARKET DYNAMICS

- 5.2 Market Drivers
 - 5.1.1 Soaring Growth of Oil & Gas Industry

- 5.1.2 Increasing Demand from Chemical Industry
- 5.2 Market Restraints
 - 5.2.1 Availability of Alternative Sealing Solutions
- 5.3 Market Opportunities
 - 5.3.1 Adoption of Fluorinated Ethylene Propylene Encapsulated Gaskets for Cryogenic Applications
- 5.4 Future Trends
 - 5.4.1 Advancements in Manufacturing Technologies
- 5.5 Impact of Drivers and Restraints:

6. ENCAPSULATED GASKETS AND SEALS MARKET - MIDDLE EAST & AFRICA ANALYSIS

- 6.1 Middle East & Africa Encapsulated Gaskets and Seals Market Revenue (US\$ Million), 2020-2030
- 6.2 Middle East & Africa Encapsulated Gaskets and Seals Market Forecast Analysis

7. MIDDLE EAST & AFRICA ENCAPSULATED GASKETS AND SEALS MARKET ANALYSIS - BY MATERIAL

- 7.1 Silicon
 - 7.1.1 Overview
 - 7.1.2 Silicon: Middle East & Africa Encapsulated Gaskets and Seals Market - Revenue and Forecast to 2030 (US\$ Million)
- 7.2 Neoprene
 - 7.2.1 Overview
 - 7.2.2 Neoprene: Middle East & Africa Encapsulated Gaskets and Seals Market - Revenue and Forecast to 2030 (US\$ Million)
- 7.3 Viton
 - 7.3.1 Overview
 - 7.3.2 Viton: Middle East & Africa Encapsulated Gaskets and Seals Market - Revenue and Forecast to 2030 (US\$ Million)
- 7.4 Teflon
 - 7.4.1 Overview
 - 7.4.2 Teflon: Middle East & Africa Encapsulated Gaskets and Seals Market - Revenue and Forecast to 2030 (US\$ Million)
- 7.5 Others
 - 7.5.1 Overview
 - 7.5.2 Others: Middle East & Africa Encapsulated Gaskets and Seals Market - Revenue

and Forecast to 2030 (US\$ Million)

8. MIDDLE EAST & AFRICA ENCAPSULATED GASKETS AND SEALS MARKET ANALYSIS - BY END USE

8.1 Oil and Gas

8.1.1 Overview

8.1.2 Oil and Gas: Middle East & Africa Encapsulated Gaskets and Seals Market - Revenue and Forecast to 2030 (US\$ Million)

8.2 Food

8.2.1 Overview

8.2.2 Food: Middle East & Africa Encapsulated Gaskets and Seals Market - Revenue and Forecast to 2030 (US\$ Million)

8.3 Pharmaceutical

8.3.1 Overview

8.3.2 Pharmaceutical: Middle East & Africa Encapsulated Gaskets and Seals Market - Revenue and Forecast to 2030 (US\$ Million)

8.4 Chemical

8.4.1 Overview

8.4.2 Chemical: Middle East & Africa Encapsulated Gaskets and Seals Market - Revenue and Forecast to 2030 (US\$ Million)

8.5 Automotive

8.5.1 Overview

8.5.2 Automotive: Middle East & Africa Encapsulated Gaskets and Seals Market - Revenue and Forecast to 2030 (US\$ Million)

8.6 Others

8.6.1 Overview

8.6.2 Others: Middle East & Africa Encapsulated Gaskets and Seals Market - Revenue and Forecast to 2030 (US\$ Million)

9. MIDDLE EAST & AFRICA ENCAPSULATED GASKETS AND SEALS MARKET - COUNTRY ANALYSIS

9.1 Middle East & Africa

9.1.1 Middle East & Africa Encapsulated Gaskets and Seals Market - Revenue and Forecast Analysis - by Country

9.1.1.1 Middle East & Africa Encapsulated Gaskets and Seals Market - Revenue and Forecast Analysis - by Country

9.1.1.2 South Africa: Encapsulated Gaskets and Seals Market - Revenue and

Forecast to 2030 (US\$ Million)

9.1.1.2.1 South Africa: Encapsulated Gaskets and Seals Market Breakdown, by Material

9.1.1.2.2 South Africa: Encapsulated Gaskets and Seals Market Breakdown, by End Use

9.1.1.3 Saudi Arabia: Encapsulated Gaskets and Seals Market - Revenue and Forecast to 2030 (US\$ Million)

9.1.1.3.1 Saudi Arabia: Encapsulated Gaskets and Seals Market Breakdown, by Material

9.1.1.3.2 Saudi Arabia: Encapsulated Gaskets and Seals Market Breakdown, by End Use

9.1.1.4 UAE: Encapsulated Gaskets and Seals Market - Revenue and Forecast to 2030 (US\$ Million)

9.1.1.4.1 UAE: Encapsulated Gaskets and Seals Market Breakdown, by Material

9.1.1.4.2 UAE: Encapsulated Gaskets and Seals Market Breakdown, by End Use

9.1.1.5 Rest of Middle East & Africa: Encapsulated Gaskets and Seals Market - Revenue and Forecast to 2030 (US\$ Million)

9.1.1.5.1 Rest of Middle East & Africa: Encapsulated Gaskets and Seals Market Breakdown, by Material

9.1.1.5.2 Rest of Middle East & Africa: Encapsulated Gaskets and Seals Market Breakdown, by End Use

10. COMPETITIVE LANDSCAPE

10.1 Heat Map Analysis by Key Players

10.2 Company Positioning & Concentration

11. COMPANY PROFILES

11.1 Trelleborg AB

11.1.1 Key Facts

11.1.2 Business Description

11.1.3 Products and Services

11.1.4 Financial Overview

11.1.5 SWOT Analysis

11.1.6 Key Developments

11.2 Gasco Inc

11.2.1 Key Facts

11.2.2 Business Description

- 11.2.3 Products and Services
- 11.2.4 Financial Overview
- 11.2.5 SWOT Analysis
- 11.2.6 Key Developments
- 11.3 VH Polymers
 - 11.3.1 Key Facts
 - 11.3.2 Business Description
 - 11.3.3 Products and Services
 - 11.3.4 Financial Overview
 - 11.3.5 SWOT Analysis
 - 11.3.6 Key Developments
- 11.4 AS Aston Seals SPA
 - 11.4.1 Key Facts
 - 11.4.2 Business Description
 - 11.4.3 Products and Services
 - 11.4.4 Financial Overview
 - 11.4.5 SWOT Analysis
 - 11.4.6 Key Developments

12. APPENDIX

- 12.1 About The Insight Partners

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