

Saudi Arabia Industrial Rubber Market By Type (Natural Rubber, Synthetic Rubber), By Product (Mechanical Rubber Good, Rubber Belt, Rubber Hose, Rubber Roofing, Others), By Application (Automotive, Construction, Manufacturing, Medical & Healthcare, Electrical & Electronics, Others), By Region, Competition Forecast & Opportunities, 2018-2028F

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Abstracts

The Saudi Arabia Industrial Rubber Market was valued at USD 9.62 billion in 2022 and is projected to experience robust growth in the forecast period, with a compound annual growth rate (CAGR) of 6.38% through 2028. The market is expected to expand due to the increasing demand from the automotive sector, where industrial rubber is used in various parts of vehicles to ensure their performance, safety, and efficiency. In 2020, approximately 447 thousand vehicles were sold annually in Saudi Arabia. The Saudi Arabia Industrial Rubber Market is a dynamic and competitive sector that presents growth and innovation opportunities. Market players are focused on expanding their product portfolio, enhancing quality standards, improving distribution networks, and increasing market share. Additionally, merger and acquisition activities in the market enable companies to better serve their customers and strengthen their presence in the country.

Key Market Drivers

Growing Demand for Industrial Rubber from Automotive Industry

The automotive sector in Saudi Arabia has witnessed significant growth, fueling a surge in demand for various automotive components, including industrial rubber products.

Industrial rubber plays a crucial role in ensuring the performance, safety, and efficiency of vehicles. Increasing vehicle sales directly translate to higher demand for industrial rubber products in the country. Rubber components such as hoses, seals, gaskets, and belts are extensively used in engines, transmissions, braking systems, and other critical automotive systems, contributing to the overall performance and reliability of vehicles.

The Kingdom's focus on infrastructure development and construction projects has led to an increased demand for commercial vehicles, such as trucks, buses, and heavy equipment. Industrial rubber products are essential for these vehicles, providing durability, flexibility, and resistance to harsh operating conditions. Rubber components such as tires, seals, and belts play a crucial role in ensuring the safety and efficiency of commercial vehicles, making them indispensable in the automotive sector.

Moreover, the demand for enhanced comfort and reduced noise levels in vehicles has increased significantly. Industrial rubber products, such as vibration mounts, sound insulation materials, and rubber bushings, are crucial for minimizing vibrations and noise transmission, resulting in a smoother and quieter ride experience. The automotive industry in Saudi Arabia is keen on incorporating advanced rubber technologies to enhance vehicle comfort levels and improve overall customer satisfaction. For instance, Evonik offers POLYVEST, a range of butadiene-based liquid rubber, for application in tires and mechanical rubber goods.

Saudi Arabia, like many other countries, is witnessing a gradual shift towards electric and hybrid vehicles. These vehicles require specialized rubber components, such as electric vehicle (EV) charging cables, battery seals, and high-temperature-resistant rubber materials. Along with this, several researchers estimate that the increased expenses per kilogram of weight saved in vehicle weight reduction measures will be possible with electric automobiles. Regular IC engine-powered automobiles can only save 2-3 per kilogram of weight, whereas electric vehicles can save 7-8/kg. In their regular driving cycles, general cars use more energy when accelerating, but they may also recover more kinetic energy through braking energy recovery. A lighter vehicle body enables battery reduction while preserving range in electric cars. By allowing the shrinking of other sections like the brake system and drivetrain components, a lighter vehicle body, and battery pack further contribute to the total weight reduction of the electric vehicle.

The growing adoption of electric and hybrid vehicles presents new opportunities for industrial rubber manufacturers to develop innovative solutions tailored to the unique

requirements of these vehicles, further driving the demand for rubber products in the automotive sector. Furthermore, safety is a top priority in the automotive sector, and industrial rubber products play a vital role in ensuring vehicle safety standards. Rubber components, such as tires and sealing systems, contribute to vehicle stability, traction, and noise reduction. Additionally, stringent regulations and standards related to emissions, fuel efficiency, and noise reduction drive the adoption of advanced rubber technologies and materials. Industrial rubber manufacturers are investing in research and development to provide innovative solutions that meet and exceed safety and regulatory requirements. Therefore, the increasing demand for industrial rubber from the automotive sector has led to the growth of the Saudi Arabia Industrial Rubber Market in the upcoming years.

Increasing Demand for Industrial Rubber from Medical & Healthcare Industry

Industrial rubber products are essential components in a wide range of medical devices and equipment. Rubber is used for manufacturing components such as gaskets, seals, tubing, and connectors that ensure proper functioning, durability, and sterility of medical devices. These components are critical in applications such as surgical instruments, respiratory equipment, infusion pumps, and diagnostic devices.

The increasing demand for advanced medical technologies and devices in Saudi Arabia drives the need for high-quality industrial rubber products. Maintaining hygiene and infection control is of utmost importance in the medical and healthcare sectors. Industrial rubber plays a vital role in creating a hygienic environment and preventing the spread of infections. Rubber-based materials are used for manufacturing gloves, gaskets, and seals that provide a barrier against contaminants and maintain sterile conditions in medical settings. Rubber flooring materials with antimicrobial properties are also used in hospitals and healthcare facilities to minimize the growth and transmission of pathogens.

In addition, the pharmaceutical industry requires robust and reliable packaging solutions to ensure the safety, integrity, and shelf-life of pharmaceutical products. Industrial rubber is used in the manufacturing of pharmaceutical closures, such as rubber stoppers and seals, which provide a secure and airtight seal for vials, bottles, and ampoules. These rubber components preserve the quality of pharmaceutical products, prevent contamination, and contribute to the overall safety and efficacy of medications.

Moreover, industrial rubber products find extensive use in research laboratories and healthcare diagnostics in the form of rubber stoppers, septa, and tubing that are used in

laboratory glassware, chromatography systems, and sample collection devices. To provide a healthy and safe collection, the focus on renewable and sustainable solutions across industries provides an opportunity for the development of eco-friendly rubber products. For instance, Versalis, a subsidiary of Eni, and Yulex Corporation partner to produce guayule-based bio-rubber for consumer, medical, and industrial applications. Thus, rising demand from the medical and healthcare sectors anticipates the growth of the Saudi Arabia Industrial Rubber Market during the forecast period.

Key Market Challenges:

Availability and Pricing of Raw Materials

Amidst the ever-changing global dynamics and market forces, the Saudi Arabia industrial rubber market faces the challenge of securing dependable sources of raw materials at competitive prices. Variations in supply from major rubber-producing nations like Thailand, Indonesia, and Malaysia can impact the availability of raw materials in Saudi Arabia, causing a ripple effect. Raw material prices are subject to a myriad of factors, including weather conditions, geopolitical tensions, and changes in demand. These price fluctuations can lead to uncertainty in production costs and ultimately impact the competitiveness of Saudi Arabia's rubber industry.

Moreover, trade policies, tariffs, and trade disputes on a global scale can disrupt the flow of raw materials, impacting both availability and pricing. The uncertainty surrounding international trade agreements can create challenges for sourcing raw materials. Limited availability of certain raw materials can hinder the development of innovative rubber products with enhanced functionalities. This, in turn, may limit the industry's ability to meet evolving market demands.

Sustainability and Environmental Concerns

While the market has flourished as a cornerstone of various sectors, the challenge of sustainability and environmental concerns has come to the forefront. The production processes associated with the industrial rubber market can contribute to greenhouse gas emissions. The energy-intensive nature of rubber manufacturing and processing requires careful management to reduce carbon emissions. Rubber waste, including scrap materials and end-of-life products, poses a significant challenge. Inadequate waste management practices can lead to environmental pollution and health hazards. Furthermore, the rubber industry relies heavily on natural rubber derived from rubber trees. Unsustainable rubber cultivation practices, such as deforestation and

monoculture plantations, can lead to ecosystem degradation and loss of biodiversity. Water is an essential resource in rubber processing, but its excessive use and improper disposal of wastewater can strain local water supplies and contribute to water pollution.

Key Market Trends

Rise of Specialty Rubber Products

In the ever-evolving landscape of the Saudi Arabia industrial rubber market, a captivating trend is unfolding: the rise of specialty rubber products. The emergence of specialized rubber products signifies a shift towards customization, performance optimization, and the pursuit of tailored solutions that precisely meet unique application requirements. Across diverse industries such as aerospace, automotive, oil and gas, healthcare, and construction, specialty rubber products are establishing their presence by effectively addressing specific challenges and demands.

Specialty rubber products are engineered to excel in particular industries. Rubber compounds can be formulated to withstand extreme temperatures, aggressive chemicals, high pressures, or challenging environmental conditions - attributes that are crucial in industries like oil exploration, aviation, and manufacturing. The versatility of rubber makes it an ideal candidate for innovative applications. Specialty rubber products are finding their way into emerging technologies such as 3D printing, wearable devices, and medical implants, showcasing the adaptability and potential of rubber in diverse industries. Industries with crucial safety and performance requirements are increasingly relying on specialty rubber products that adhere to stringent quality standards and certifications. This guarantees that products not only meet but surpass regulatory benchmarks, instilling unwavering confidence in their reliability.

Technological Advancements

Technology has emerged as an indispensable catalyst for driving progress across various industries, including the Saudi Arabia industrial rubber market. The Industrial Internet of Things (IIoT) is making waves in the industrial rubber sector. IIoT sensors and devices are embedded in rubber machinery, facilitating real-time data collection and analysis to optimize production efficiency and predict maintenance needs. The emergence of additive manufacturing, or 3D printing, is allowing for the creation of intricate rubber components with complex geometries. This technology facilitates rapid prototyping, customization, and the production of prototypes for testing and validation. Moreover, technology is optimizing supply chain operations by enhancing visibility,

traceability, and coordination among suppliers, manufacturers, and distributors.

Segmental Insights

Type Insights

In 2022, the industrial rubber market was dominated by the synthetic segment and is predicted to continue expanding over the coming years. Synthetic rubber provides exceptional versatility and consistent performance, rendering it highly suitable for a diverse range of applications in industries including automotive, construction, electronics, and healthcare. Its remarkable adaptability to various conditions and requirements establishes synthetic rubber as the preferred choice for manufacturers seeking reliable and steadfast performance. Moreover, the synthetic rubber segment offers enhanced customization and specialization. Manufacturers have the ability to precisely adjust the composition of synthetic rubber compounds to attain specific characteristics like oil resistance, weather resistance, high-temperature tolerance, and more.

Application Insights

In 2022, the Saudi Arabia industrial rubber market was dominated by the automotive segment and is predicted to continue expanding over the coming years. Saudi Arabia has made efforts to establish a local automotive manufacturing and assembly industry. This initiative has led to increased demand for rubber components used in vehicle assembly, including tires, hoses, seals, and gaskets. The maintenance and repair sector are a substantial consumer of rubber products. The automotive aftermarket heavily depends on rubber components for replacement parts, which contributes to a consistent demand.

Regional Insights

The Northern and Central region has established itself as the leader in the Saudi Arabia Industrial Rubber Market. The northern and central regions of Saudi Arabia are home to major cities like Riyadh, the capital, and Jeddah, a key commercial hub. These cities serve as major centers for economic activities, trade, and infrastructure development. The presence of well-developed transportation networks, including roadways, railways, and ports, facilitates the movement of goods and materials, making these regions ideal locations for industrial operations. The Saudi Arabian government has focused on promoting industrial growth and diversification, particularly in the central and northern

regions. Initiatives such as the Saudi Vision 2030 aim to stimulate economic development and attract investments in these regions, thereby fostering a conducive environment for industrial rubber manufacturing and related activities.

Key Market Players

Saudi Basic Industries Corporation

Arkema Chemicals Saudi Arabia

Evonik Tasnee Marketing LLC

eni Saudi Arabia

Saudi Aramco

General Industries Co. Ltd

Saudi Rubber Products Co.

Saudi Arabian Amiantit Co.

Report Scope:

In this report, the Saudi Arabia Industrial Rubber Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Saudi Arabia Industrial Rubber Market, By Type:

Natural Rubber

Synthetic Rubber

Saudi Arabia Industrial Rubber Market, By Product:

Mechanical Rubber Good

Rubber Belt

Rubber Hose

Rubber Roofing

Others

Saudi Arabia Industrial Rubber Market, By Application:

Automotive

Construction

Manufacturing

Medical & Healthcare

Electrical & Electronics

Others

Saudi Arabia Industrial Rubber Market, By Region:

Northern & Central

Western

Southern

Eastern

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Saudi Arabia Industrial Rubber Market.

Available Customizations:

Saudi Arabia Industrial Rubber Market By Type (Natural Rubber, Synthetic Rubber), By Product (Mechanical Rubbe...

Saudi Arabia Industrial Rubber Market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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