

Activated Alumina Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/AC81D22FBB3DEN.html>

Date: February 2023

Pages: 144

Price: US\$ 2,499.00 (Single User License)

ID: AC81D22FBB3DEN

Abstracts

The global activated alumina market size reached US\$ 1,006.5 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 1,333.5 Million by 2028, exhibiting a growth rate (CAGR) of 4.3% during 2023-2028.

Activated alumina refers to the dry and granular form of aluminum oxide. It is highly porous and bonds with liquids and gases without altering its chemical or physical form. It is formed by dihydroxylation of aluminum hydroxide and is commonly used as a desiccant in water treatment processes and as a catalyst in natural gas and refining operations. It also exhibits resistance to abrasion and thermal shocks and does not shrink, swell or disintegrate upon immersion in water. It can also sustain extreme conditions, such as high temperature and acidic or alkaline environments, owing to which it finds extensive applications across various industries and sectors, including oil and gas, water treatment, healthcare and plastics.

The market is primarily being driven by the growing demand for water treatment solutions across the globe. Activated alumina is extensively used for the development of reverse osmosis (RO) membrane technology that is utilized in the purification of drinking water. Furthermore, widespread product adoption for purifying lithium, which is used in glass, ceramics, lubricating greases, batteries and air treatment, is providing a boost to the market growth. Additionally, the thriving healthcare industry is also creating a positive outlook for the market. Activated alumina bio-ceramics are used as an alternative to metal alloys in the manufacturing of surgical and dental implants. They exhibit anti-corrosion properties, along with low friction and high durability. Other factors, including growing product utilization in refinery projects and extensive research and development (R&D) activities, are projected to drive the market further.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global activated alumina market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on application, end-use industry, form and mesh size.

Breakup by Application:

Catalyst
Desiccant
Absorbent
Others

Breakup by End-Use Industry:

Water Treatment
Pharmaceutical
Textile
Oil & Gas
Chemical
Others

Breakup by Form:

Powder
Beads

Breakup by Mesh Size:

80-150 Mesh
150-300 Mesh
Above 300 Mesh

Breakup by Region:

North America
United States
Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

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 with some of the key players being AGC Chemicals Pvt. Ltd., Axens, BASF SE, Dynamic Adsorbents Inc., Honeywell International Inc., Huber Engineered Materials, Jiangxi Sanxin Hi-Tech Ceramics Co. Ltd., Porocel Industries, Shandong Zhongxin New Material Technology Co. Ltd., Sialca Industries, Sorbead India, Sumitomo Chemical Co. Ltd., etc.

Key Questions Answered in This Report:

How has the global activated alumina market performed so far and how will it perform in the coming years?

What are the key regional markets?

What has been the impact of COVID-19 on the global activated alumina market?

What is the breakup of the market based on the application?

What is the breakup of the market based on the end-use industry?

What is the breakup of the market based on the form?

What is the breakup of the market based on the mesh size?

What are the various stages in the value chain of the market?

What are the key driving factors and challenges in the market?

What is the structure of the global activated alumina industry and who are the key players?

What is the degree of competition in the market?

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