

High Purity Alumina Market: Segmented by Product Outlook (4N, 5N, 6N); By Application Outlook (LED, Semiconductor, Phosphor, Sapphire, Lithium-ion battery, Others) and Region – Global Analysis of Market Size, Share & Trends for 2019–2020 and Forecasts to 2030

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Abstracts

178+ Pages Research Report High Purity Alumina market to surpass USD 14.69 billion by 2030 from USD 2.58 billion in 2020 at a CAGR of 18.99% in the coming years, i.e., 2021-30.

Product Overview

High purity alumina (HPA) is a type of aluminum oxide with a high purity (Al_2O_3). High Purity Alumina is a crucial component used in the manufacturing of synthetic sapphire. It is a high-value, high-margin, and high-demand commodity. Synthetic sapphire is used to make substrates for LED lights, semiconductor wafers for the electronics industry, and scratch-resistant sapphire glass for wristwatch faces, optical windows, and smartphone components. In the production of synthetic sapphire, there is no substitute for HPA. HPA is increasingly being utilized as a separator sheet coating in lithium-ion batteries.

Market Highlights

High Purity Alumina market is expected to project a notable CAGR of 18.99% in 2030. The falling prices of LEDs, rising consumer awareness of its cost-effectiveness and eco-friendly aspect, and expanding use in the automotive sector for applications like as adaptive driving are all key factors driving the market growth. Over the projection period, the expansion of the LED market is expected to have a beneficial impact on HPA.

consumption.

High Purity Alumina Market: Segments

segment to grow with the highest CAGR during 2020-30

High Purity Alumina market is segmented by Products 4N, 5N, 6N. Among these,, the 4N category dominated the market in 2020. LED bulbs and electrical displays are the most popular uses for 4N HPA. Leading firms in this market are increasing their R&D expenditures in order to provide product customization to meet the needs of certain application areas. During the forecast period, the market for 4N HPA is projected to be driven by government support, which will lead to increased use of LEDs and lower costs than other types of HPA.

LED segment to grow with the highest CAGR during 2020-30

High Purity Alumina market is segmented by Application into LED, Semiconductor, Phosphor, Sapphire, Lithium-ion battery, Others. Among these,, the LED category had the highest revenue share in 2020. In comparison to traditional incandescent bulbs, LED bulbs have seen a substantial increase in demand throughout the globe. The market penetration of LEDs is fueled by the implementation of stringent laws to deploy energy-efficient lights all over the globe. Moreover, a government initiative to encourage people to adopt LED lights to save energy is expected to raise the demand for LED bulbs.

Market Dynamics

Drivers

Increasing demand of HPA for electric vehicles

An important driver for the high purity alumina industry is the rising manufacturing of electric vehicles (EVs). The demand for lithium-ion batteries is rising as the number of electric vehicles (EVs) grows. As HPA is used to coat lithium-ion battery separators, this has resulted in rapid HPA consumption.

Increasing demand in Developing nations

An important driver for the high purity alumina industry is the rising manufacturing of electric vehicles (EVs). The demand for lithium-ion batteries is rising as the number of electric vehicles (EVs) grows. As HPA is used to coat lithium-ion battery separators, this has resulted in rapid HPA consumption.

Restraint

High cost and restriction

The global high purity alumina market may be hampered by rising HPA prices and strict

government regulations on the extraction of 'Red Mud'.

High Purity Alumina Market: Key Players

Sumitomo Chemical Co. Ltd.

Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis

Nippon Light Metal Holdings Co. Ltd.

Altech Chemicals Ltd.

Baikowski

Pure Alumina

Zibo Honghe Chemical Co. Ltd.

AEM Canada

Baikowski SAS

Alcoa Inc.

Norsk Hydro ASA

Global High Purity Alumina Market: Regions

Global High Purity Alumina market is segmented based on regional analysis into five major regions. These include North America, Latin America, Europe, Asia Pacific and the Middle East,, and Africa Due to the growth of markets such as China and India, Asia-Pacific accounted for a significant market share in 2019. The presence of established HPA players in the region, as well as increased demand for HPA from the automotive and electronics sectors, are likely to boost HPA demand in the region. Furthermore, the government's strict regulations on the manufacturing, import, and sale of incandescent lights have fueled the rise of the smart lighting sector, which makes LED bulbs, boosting demand for HPA across the area.

Global High Purity Alumina market is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil,, and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany,, and Rest of Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – China,

Japan, Australia,, and Rest of APAC

Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth,
CAGR – North Africa, Israel, GCC, South Africa,, and Rest of MENA

High Purity Alumina report also contains analysis on:

High Purity Alumina Segments:

By Product

4N

5N

6N

By Application

LED

Semiconductor

Phosphor

Sapphire

Lithium-ion battery

Others

High Purity Alumina Market Dynamics

High Purity Alumina Market Size

Supply & Demand

Current Market Trends/Issues/Challenges

Competition & Companies Involved in the Market

Value Chain of the Market

Market Drivers and Restraints

High Purity Alumina Market Report Scope and Segmentation

Report Attribute Details

Market size value in 2021 USD 3.07 billion

Revenue forecast in 2030 USD 14.69 billion

Growth Rate CAGR of 18.99% from 2021 to 2030

Base year for estimation 2020

Quantitative units Revenue in USD billion and CAGR from 2021 to 2030

Report coverage Revenue forecast, company ranking, competitive landscape, growth factors, and trends

Segments covered Product, Application and Region

Regional scope North America; Europe; Asia Pacific; Latin America; Middle East & Africa (MEA)

Key companies profiled Sumitomo Chemical Co. Ltd., Nippon Light Metal Holdings Co.

Ltd., Altech Chemicals Ltd., Baikowski, Pure Alumina, Zibo Honghe Chemical Co. Ltd., AEM Canada, Baikowski SAS, Alcoa Inc., Norsk Hydro ASA and Other Prominent Players.

Frequently Asked Questions

How big is the High Purity Alumina market?

What is the High Purity Alumina market growth?

Which segment accounted for the largest High Purity Alumina market share?

Who are the key players in the High Purity Alumina market?

What are the factors driving the High Purity Alumina market?

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- 12.14. Norsk Hydro ASA

Consultant Recommendation

****The above-given segmentations and companies could be subjected to further modification based on in-depth feasibility studies conducted for the final deliverable.**

I would like to order

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