High Purity Alumina - A Global Market Overview

"The report reviews, analyzes and projects the global market for High Purity Alumina for the period 2017-2026. High Purity Alumina product segments explored in this study includes 4N, 5N and 6N. Market for High Purity Alumina technologies analyzed in this report comprise Hydrochloric Acid (HCl) Leaching, Hydrolysis and Others. The report also examines the market for the key applications of High Purity Alumina such as LEDs, Lithium-Ion Batteries, Phosphors, Sapphires and Semiconductors."

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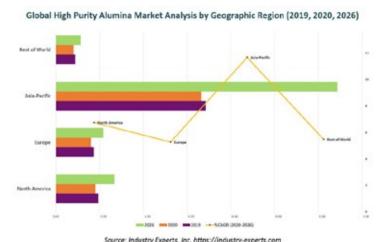
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Report Synopsis

Hydrolysis is most widely used to process High Purity Alumina (HPA), the demand for which is also likely to be the fastest growing while, by segment, 4N is the most widely consumed type of HPA on a global basis and is also predominant in terms of value demand, which is also anticipated to witness the fastest CAGRs exceeding 10%.

Asia-Pacific constitutes the leading global volume market for High Purity Alumina, estimated to corner a share of 61.1% in 2020. The region's volume consumption is also anticipated to register the fastest 2020-2026 CAGR of 11.7% and reach a projected 64.4 thousand tons by 2026.



Research Findings & Coverage

- This global market research report on High Purity Alumina (HPA) analyzes the market with respect to product segments, technologies and applications
- HPA market size is estimated/projected in this report by product segment, technology and by application across all major countries
- Innovative Coating for Li-Ion Battery Anodes Drives Demand for HPA

- Growth in Demand for High Purity Alumina Being Propelled by the LED Industry
- Smaller Applications, too, Driving the Market for HPA
- Key business trends focusing on product innovations/developments, M&As, JVs and other recent industry developments
- Major companies profiled 16
- The industry guide includes the contact details for 77 companies

Product Outline

The market for product segments of HPA studied in this report comprise the following:

- 4N
- 5N
- 6N

The report analyzes the market for the following technologies of HPA:

- Hydrochloric Acid (HCl) Leaching
- Hydrolysis
- Others

Applications market for HPA explored in this study comprise:

- LEDs
- Lithium-Ion Batteries
- Phosphors
- Sapphires
- Semiconductors

Analysis Period, Units and Growth Rates

 The report reviews, analyzes and projects the global HPA market for the period 2017-2026 in terms of volume in Tons and value in US\$; and the compound annual growth rates (CAGRs) projected from 2020 through 2026 with a special focus on y-o-y for 2019-2020

Geographic Coverage

- North America (The United States and Mexico)
- Europe (France, Germany, Italy, Spain, The United Kingdom and Rest of Europe)
- Asia-Pacific (China, Japan, South Korea, Taiwan and Rest of Asia-Pacific)
- Rest of World



SAMPLE COMPANY PROFILE

COORSTEK, INC. (UNITED STATES)

14143 Denver West Pkwy., Golden, Colorado 80401

United States

Phone: 1 303 271 7000 Email: info@coorstek.com Website: www.coorstek.com

Business Overview

CoorsTek, Inc., formerly called Coors Ceramics Company, Inc and adopting its present name in 2000, was established in 1910 with headquarters in Golden, Colorado. The company is engaged in developing, manufacturing and distributing technical ceramics for the semiconductor, oil and gas, electronics, energy, medical, machinery, and armor and defense sectors. Major products offered by CoorsTek include back up rings, computer peripheral components, desiccator plates, ESD-safe materials, food and beverage components, bonding tools, hydro cyclone linings, implantable ceramics, knife blades, laser equipment components, metalized ceramics, nozzles, optical components, pulsation equipment, range igniters, semiconductor components, tubes and rods, substrates, valves, wire components, and X-ray tubes. In the field of high purity alumina, the company's offerings include the following:

- PLASMAPURE™ High Purity Alumina (99.8% purity) offering outstanding purity, high etch resistance to corrosive chemicals, low sodium content and an extremely low dielectric loss tangent of < 0.0001. Ideal for applications in semiconductor, electronic and optical industries.
- PLASMAPURE-UC™ Ultra-High-Purity Alumina (99.9% purity) offering outstanding purity, high etch resistance to corrosive chemicals, low sodium content and an extremely low dielectric loss tangent of < 0.0001.
 Ideal for applications in semiconductor, electronic and optical industries.
- 94%-97% aluminas offering an extremely low dielectric loss tangent of 1 x 10-4 to 5 x 10-4, for applications needing superior strength, hardness, corrosion resistance, and electrical resistivity, including power insulators and automotive components.
- High purity 98%-99.8% aluminas offering an extremely low dielectric loss tangent of 1 x 10-4 to 4 x 10-4, for applications needing excellent mechanical properties and a high-purity composition for minimizing contamination, including semiconductor wafer fabrication components.
- Ultra-pure 99.9-100% aluminas offering strong inertness and extreme hardness and offering an extremely low dielectric loss tangent of 10-4 to 10-3, for use in applications needing superior strength, high operating temperatures, and ultra-pure composition, comprising plasma etch components and nuclear grade insulator components.
- Zirconia toughened alumina (ZTA) offering an extremely low dielectric loss tangent of 5 x 10-4, for high thermal shock resistance and increased toughness applications, covering bushings and wire bonding capillaries
- 85-93% aluminas offering good electrical resistivity, good wear and corrosion resistance, and an extremely low dielectric loss tangent of 3.5 x 10-4 to 2.0 x 10-2, for use in mill linings.

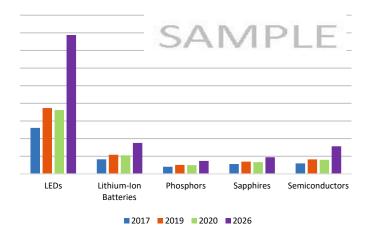
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SAMPLE TABLE/CHART

Glance at 2020 Global High Purity Alumina Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific and Rest of World



Asia-Pacific High Purity Alumina Market Analysis (2017-2026) by Application – LEDs, Lithium-Ion Batteries, Phosphors, Sapphires and Semiconductors in Tons



KEY PLAYERS PROFILED

- AEM Canada Group Inc.
- Airy Technology Co., Ltd.
- Alcoa Corporation
- Altech Chemicals Limited
- Baikowski® SA
- CoorsTek, Inc.
- HPA Sonics
- Nippon Light Metal Co., Ltd.
- Phichem Corporation
- · Polar Sapphire Ltd.
- · Sasol Germany GmbH
- Sumitomo Chemical Co., Ltd.
- Taimei Chemicals Co Ltd
- Xuan Cheng Jing Rui New Material Co., Ltd.
- Zibo Honghe Chemical Co., Ltd.
- Zibo Xinfumeng Chemicals Co., Ltd.

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