High Purity Alumina - A Global Market Overview

Description: The recent years have been witnessing increasing demand for High Purity Alumina, more so in areas that are anticipated to exhibit high rates of growth, such as display materials, energy, automobiles, computers and semiconductors. High purity alumina, with purity equal to or greater than 99.99% and uniform fine particles, finds extensive application in translucent tubes for high-pressure sodium lamps, single crystal materials such as sapphires for watch covers, high-strength ceramic tools and abrasives for magnetic tape, among others.

Properties, such as low-friction and high wear-resistance, thermal and electrical insulating ability and broad chemical compatibility make High Purity Alumina a more than useful option in military and aerospace-based applications, engine components, heat shields, electrical insulators, pump and valve components and satellite and radar electronics systems.

Leaving aside major applications, such as LEDs and semiconductors, demand for high purity alumina has been growing in some of the relatively smaller applications also due to its versatility. For instance, translucent High Purity Alumina ceramics find application in sodium lamps that employ an electrical gas discharge in sodium vapor for creating light. High Purity Alumina ceramics are utilized for making the luminous tubes, since they are resistant to any reaction with high-temperature sodium vapor.

Higher efficiency and luminance of sodium vapor lamps compared to incandescent and fluorescent lamps render them highly effective in illuminating exterior spaces such as roads, streets and public spaces, in addition to factories and sports facilities and being used as light sources for horticulture.

Worldwide market for High Purity Alumina product segments explored in this study includes 4N, 5N and 6N. The report also analyzes the key applications of High Purity Alumina comprise LEDs, Phosphor-Based, Semiconductors and Industrial & Other Applications. The global markets for the above mentioned product types, application areas are analyzed in terms of both in volume in tons and USD.

Asia-Pacific is estimated to have the largest market for High Purity Alumina at US$1.7 billion in 2015, forecast at US$2 billion in 2016, the region is also projected to be the fastest growing market with a robust CAGR of 13.5% between 2016 and 2022 to reach a projected US$4.3 billion by 2022.

The report reviews, analyses and projects the High Purity Alumina market for the period 2012-2022 globally and the regional markets including North America, Europe, Asia-Pacific and Rest of World. The regional markets further analyzed for 12 independent countries across North America - The United States, Canada and Mexico; Europe - France, Germany, Italy, Spain and the United Kingdom; and Asia-Pacific - China, Japan, South Korea and Taiwan.

This 336 page global market report includes 289 charts (includes a data table and graphical representation for each chart), supported with meaningful and easy to understand graphical presentation, of market numbers. This report profiles 8 key global players and 18 major players across North America - 4; Europe - 2; and Asia-Pacific - 12. The research also provides the listing of the companies engaged in manufacturing and supply of High Purity Alumina. The global list of companies covers the address, contact numbers and the website addresses of 81 companies.

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Sumitomo Chemical Co Ltd (Japan)
Taimei Chemicals Co Ltd (Japan)
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