

Global Lanthanum Market - Forecasts from 2018 to 2023

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Abstracts

Lanthanum has wide-spread applications in cracking reaction in Fluidic Catalytic Cracking (FCC) catalysts in order to manufacture high-octane gasoline from crude oil. Its application lies in hydrogen storage batteries. Lanthanum fluoride is an essential component of heavy fluoride glass which exhibits an excellent transmittance property in the infrared range and hence is used in optical fiber communication systems. Lanthanum trifluoride has a significant usage in phosphor lamp coatings. Lanthanum oxide and lanthanum boride are used as hot cathode materials in electronic vacuum tubes with massive emissivity of electrons. Lanthanum oxides are also used in manufacturing lenses used in telescopes and cameras. Lanthanum is also used in the manufacturing of hybrid cars that use nickel-metal hydride batteries.

On the basis of geography, lanthanum market is segmented as North America, Europe, Middle East & Africa, Asia-Pacific, and South America. Asia-Pacific holds the highest production of lanthanum across the globe. Competition based on mining is quite high in this region owing to the availability of lanthanum and metal processing facilities. In this region, Lanthanum is mainly used in phosphors followed by its usage in battery and non-battery alloys, Fluidic Catalytic Cracking, and making lenses among others.

Due to high technological growth, increasing demand, and changing government policies on import and export, mining of lanthanum will steeply increase in the coming years. The increase in demand in the nickel-metal hydride batteries used in electric cars will catalyze its market growth rate across the globe. The demand of lanthanum also covers the healthcare segment in the treatment of hypophosphatemia.

Research Methodology

The first section of the report deals with detailed research methodology for calculating market size and forecasts, secondary data sources used and the primary inputs which were taken for data validation. This section also outlines various segmentations which have been covered as part of the report.

Market Dynamics

Next section provides comprehensive market dynamics through an overview section along with growth drivers, challenges, and opportunities which exist in the current market. This section of the report also provides supplier and industry outlook as a whole; key industry, global and regional regulations which are determining the market growth. Complete industry analysis has also been covered by Porter's five forces model as a part of this report section.

Market Segmentation

The lanthanum market has been segmented on the basis of product, application, and geography.

By Product

Lanthanum Oxide

Lanthanum Chloride

Lanthanum Boride

Lanthanum Acetate

Others

By Application

Filament Glass Coating

Fluidic Catalytic Cracking (FCC) Catalyst

Hydrogen Storage

Battery and Non-Battery Alloys

Electrical and Electronics

Others

By Geography

North America

South America

Europe

Middle East & Africa

Asia-Pacific

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