

Global Advanced Conductive Agents Market Size study & Forecast, by Material (CNTs., Graphene, Carbon black, Metal, Other), by End Users (Passenger vehicles, Low-velocity vehicles, Buses, Commercial/industrial vehicles) and Regional Analysis, 2022-2029

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Abstracts

Global Advanced Conductive Agents Market is valued at approximately USD XX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX% over the forecast period 2022-2029. Advanced conductive agents refer to materials that are added to non-conductive materials such as polymers, resins, and other materials to enhance their electrical conductivity. These agents are typically in the form of metallic or non-metallic particles that are dispersed into the non-conductive material to create a conductive composite. The major driving factor for the Global Advanced Conductive Agents Market are increasing demand for lightweight and high-performance materials in various industries such as aerospace, automotive, and electronics and growing adoption of electric vehicles and renewable energy sources, which require advanced conductive agents in their components. Moreover, technological advancements and innovation in advanced conductive agents, which are leading to new and improved materials with better electrical conductivity and other properties and growing investments in research and development of advanced conductive agents by major companies, leading to new applications and increased demand is creating lucrative growth opportunity for the market over the forecast period 2022-2029.

Many countries around the world have set ambitious targets for transitioning to electric vehicles, including Norway, which aims to have all new cars sold be zero-emission by 2025, and India, which plans to have 30% of its vehicles be electric by 2030.

Governments are also providing incentives for consumers to purchase electric vehicles, such as tax credits and subsidies, in order to accelerate the transition to a low-carbon economy. Charging infrastructure for electric vehicles is also expanding rapidly, with the number of public charging stations worldwide growing from 70,000 in 2014 to over 1.3 million in 2020. However, limited availability of raw material and high cost of advanced conductive agents stifles market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global Advanced Conductive Agents Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is expected to be a significant market for advanced conductive agents due to the presence of a well-established electronics industry and growing demand for lightweight materials in the aerospace industry. The region is expected to witness steady growth in demand for advanced conductive agents over the forecast period. Asia-Pacific is expected to be the largest market for advanced conductive agents due to the growing demand from the electronics and automotive industries in countries such as China, India, Japan, and South Korea. The region is expected to witness the highest growth rate during the forecast period, owing to increasing investments in infrastructure development and rising demand for lightweight and high-performance materials.

Major market player included in this report are:

Arkema

Akzo Nobel

Hitachi Chemical Co

Mitsubishi Chemical Corp.,

SGL Group

Toray

Recent Developments in the Market:

In June 2021, Cabot Corporation announced the launch of its LITX G700 conductive additive, a high-performance material designed to improve the energy density and performance of lithium-ion batteries.

In December 2020, BASF SE announced the launch of its new Tinuvin 880 dispersions for the automotive industry, which provide superior protection against UV radiation and are formulated with advanced conductive agents for improved electrical conductivity.

Global Advanced Conductive Agents Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Material, End Users, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Material:

CNTs.

Graphene.

Carbon black

Metal

Others

By End User:

Passenger vehicles

Low-velocity vehicles

Buses.

Commercial/industrial vehicles

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France
Spain
Italy
ROE
Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Rest of the World

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