

Linear Alpha Olefins Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

Market Overview 2023-2028:

The global linear alpha olefins market size reached US\$ 9.2 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 12.3 Billion by 2028, exhibiting a growth rate (CAGR) of 5.08% during 2023-2028.

Linear alpha olefins (LAOs) are unbranched alkenes or hydrocarbons joined by linear chains and one double bond at the first carbon atom of the chain. They are either produced by the oligomerization of ethylene molecules or by Fischer-Tropsch synthesis, followed by purification. They help enhance the toughness, tear strength, and impact resistance of polymers, making them suitable for being used in the production of toys, grocery bags, and food and beverage containers. They are also used as co-monomers for manufacturing polyethylene, plastic packaging, inks, waxes, cosmetic emollients, color concentrates, high-performing engines, and industrial oils. Besides this, LAOs are tailored to meet individual specifications and provide vast options for new chemical development.

Linear Alpha Olefins Market Trends:

Rapid industrialization and the escalating demand for polyethylene (PE) in numerous industry verticals represent one of the key factors positively influencing the market. LAOs are widely used as co-monomers in the manufacturing of linear low-density polyethylene (LLDPE) and high-density polyethylene (HDPE). In addition, there is a rise in the widespread adoption of the product in the burgeoning automotive industry to maintain and manage the spare parts of motorized vehicles. Apart from this, LAOs are

utilized as raw materials in pulp and paper, pharmaceutical, coatings, and cosmetic industries to prepare various finished products. Furthermore, leading market players are employing advanced technologies to improve the cost-efficiency and productivity of the LAOs. They are focusing on introducing organic variants that help reduce waste and support environmental health. Moreover, increasing investments in research and development (R&D) projects to develop more advanced product variants are expected to propel market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global linear alpha olefins market report, along with forecasts at the global and regional level from 2023-2028. Our report has categorized the market based on type and end use.

Breakup by Type:

- Butene
- Hexene
- Octene
- Decene
- Dodecene
- Tetradecene
- Hexadecene
- Octadecene
- Eicosene
- Others

Butene currently dominates the market due to the presence of a double bond, which makes this compound highly reactive and suitable for numerous applications.

Breakup by End Use:

- LLDPE
- Detergent Alcohols
- HDPE
- Lubricants
- LDPE
- Others

LLDPE holds the majority of the market share as it is extensively used in manufacturing

films and packaging due to its flexibility and toughness. It also provides resistance against various harmful chemicals.

Regional Insights:

North America
Middle East
Western Europe
South America
Others

North America enjoys the leading position in the market as it is the largest producer and consumer of LAOs across the globe. Additionally, the existence of numerous manufacturing companies and continuous upgradation in the petrochemical and oil and gas infrastructure are strengthening the market growth in this region.

Competitive Landscape:

The report has also analyzed the global competitive landscape of the linear alpha olefins market. Some of the major players operating in this market include - Shell International B.V., Chevron Phillips Chemical Company LLC, INEOS AG, Sasol LTD, The Dow Chemical Company, and Exxon Mobil Corporation.

The essential aspects of the global linear alpha olefins market evaluated in the report include:

Market trends
Impact of COVID-19
Major regions
Key types
Key end uses
Key manufacturers
Price trends
Raw material requirements
Chemical reactions involved in the manufacturing process
Major importers and exporters
Value chain analysis
Market trends for major feedstocks
Price trends for major feedstocks
Key regions for major feedstocks

Key end-uses for major feedstocks

Key players for major feedstocks

Key Questions Answered in This Report

1. What was the size of the global linear alpha-olefins market in 2022?
2. What is the expected growth rate of the global linear alpha-olefins market during 2023-2028?
3. What has been the impact of COVID-19 on the global linear alpha-olefins market?
4. What are the key factors driving the global linear alpha-olefins market?
5. What is the breakup of the global linear alpha-olefins market based on the type?
6. What is the breakup of the global linear alpha-olefins market based on the end use?
7. What are the key regions in the global linear alpha-olefins market?
8. Who are the key players/companies in the global linear alpha-olefins market?

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