

Global Short Chain Alpha Olefins Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Short Chain Alpha Olefins market size was valued at US\$ 6930 million in 2025 and is forecast to a readjusted size of US\$ 8617 million by 2032 with a CAGR of 3.1% during review period.

Short-chain alpha olefins (C4–C8) refer to straight-chain olefins with 4–8 carbon atoms and double bonds located at the α -position (1-position) at the end of the molecule. They mainly include 1-butene, 1-hexene, and 1-octene, and are one of the most important functional raw materials in the modern polyolefin industry. These compounds are typically produced through ethylene oligomerization and are characterized by regular structures, high purity, and strong reactivity. In polyethylene production, they are mainly used as comonomers of ethylene to regulate the branching structure of the molecular chain, thereby significantly improving the material's density distribution, flexibility, impact resistance, and environmental stress cracking resistance. Short-chain α -olefins (C4–C8) are widely used in LLDPE, mLLDPE, HDPE pipe materials, and high-performance films, and are key raw materials for achieving performance differentiation and added value enhancement in high-end polyolefin materials. Global consumption is projected to reach approximately 5.5-6 million tons in 2025, with an average price of approximately US\$700–1,100 per ton.

This report is a detailed and comprehensive analysis for global Short Chain Alpha Olefins market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market

share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Short Chain Alpha Olefins market size and forecasts, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Short Chain Alpha Olefins market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Short Chain Alpha Olefins market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Short Chain Alpha Olefins market shares of main players, shipments in revenue (\$ Million), sales quantity (Kilotons), and ASP (US\$/Ton), 2021-2026

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Short Chain Alpha Olefins
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Short Chain Alpha Olefins market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Evonik, Shell, ExxonMobil, CP Chemical, Ineos, Mitsui Chemical, Sumitomo Chemical, Tonen Chemical, Idemitsu Kosan, Sabic, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Short Chain Alpha Olefins market is split by Type and by Application. For the period

2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

1-Butene

1-Hexene

1-Octene

Market segment by Process

Non-Selective Aggregation

Selective Aggregation

Refinery by-Products

Market segment by Form

Gas

Liquid

Market segment by Application

LLDPE

HDPE

POE/POP

Others

Major players covered

Evonik

Shell

ExxonMobil

CP Chemical

Ineos

Mitsui Chemical

Sumitomo Chemical

Tonen Chemical

Idemitsu Kosan

Sabir

Jam

Qatar Chemical

CNPC

SINOPEC

Sasol

SOCAR

Kazanorgsintez

Nizhnekamskneftekhim

Uzbekneftegaz

Market segment by region, regional analysis covers
North America (United States, Canada, and Mexico)
Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)
Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)
South America (Brazil, Argentina, Colombia, and Rest of South America)
Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Short Chain Alpha Olefins product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Short Chain Alpha Olefins, with price, sales quantity, revenue, and global market share of Short Chain Alpha Olefins from 2021 to 2026.

Chapter 3, the Short Chain Alpha Olefins competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Short Chain Alpha Olefins breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Short Chain Alpha Olefins market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Short Chain

Alpha Olefins.

Chapter 14 and 15, to describe Short Chain Alpha Olefins sales channel, distributors, customers, research findings and conclusion.

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