

# 2018-2023 Global Poly Alpha Olefin (PAO) Consumption Market Report

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## Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

In this report, LP Information covers the present scenario (with the base year being 2017) and the growth prospects of global Poly Alpha Olefin (PAO) market for 2018-2023.

Poly alpha olefin (PAO) is colorless liquids with well-defined, wax-free isoparaffinic structures. Poly alpha olefins have a complex branched structure with an olefin bond in the alpha position of one of the branches. Hydrogenated poly alpha olefins have olefin-carbons saturated with hydrogen, which lends excellent thermal stability to the molecule. It is widely used in automotive and industrial fields.

Poly alpha olefins have a complex branched structure with an olefin bond in the alpha position of one of the branches. It can be adjusted the component of raw material and degree of polymerization to obtain viscosity range of products. Compared with the mineral oil, it has superior performance, such as high viscosity index, high flash point, low volatility etc. Therefore, poly alpha olefin is widely used in many synthetic products, such as lubricants, greases and fluids. With the development of modern industry, the demand of poly alpha olefin (PAO) has maintained steady growth.

There are obvious difference manufacturing process between China and foreign manufacturers in the manufacturing process of poly alpha olefin (PAO). It is mainly the olefin oligomerization method that in abroad, which can be strictly controlled during the reaction process. And it can obtain product with strong anti-oxidation characteristics. But in China, the production of poly alpha olefin (PAO) is mainly the petroleum cracking method, which products molecular weight has poor uniformity.

At present, Chemtura, ExxonMobil Chemical and Naco are the major players in the producing of high viscosity PAO products. Other manufacturers' products are mainly concentrated in low viscosity PAO, medium viscosity PAO fields. With the development

the technology, most of the manufacturers will enter into the high viscosity PAO products fields.

Over the next five years, LPI(LP Information) projects that Poly Alpha Olefin (PAO) will register a 1.2% CAGR in terms of revenue, reach US\$ 4130 million by 2023, from US\$ 3840 million in 2017.

This report presents a comprehensive overview, market shares, and growth opportunities of Poly Alpha Olefin (PAO) market by product type, application, key manufacturers and key regions.

To calculate the market size, LP Information considers value and volume generated from the sales of the following segments:

Segmentation by product type:

Low Viscosity PAO

Medium Viscosity PAO

High Viscosity PAO

Segmentation by application:

Automotive Oils

Industrial Oils

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

## APAC

China

Japan

Korea

Southeast Asia

India

Australia

## Europe

Germany

France

UK

Italy

Russia

Spain

## Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The report also presents the market competition landscape and a corresponding detailed analysis of the major vendor/manufacturers in the market. The key manufacturers covered in this report:

INEOS

ExxonMobil Chemical

Chemical

Chemtura

Idemitsu Kosan

Naco

Shenyang HCPAO

In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key manufacturers and the market as a whole. It also analyzes key emerging trends and their impact on present and future development.

#### Research objectives

To study and analyze the global Poly Alpha Olefin (PAO) consumption (value & volume) by key regions/countries, product type and application, history data from 2013 to 2017, and forecast to 2023.

To understand the structure of Poly Alpha Olefin (PAO) market by identifying its various subsegments.

Focuses on the key global Poly Alpha Olefin (PAO) manufacturers, to define,

describe and analyze the sales volume, value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the Poly Alpha Olefin (PAO) with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the consumption of Poly Alpha Olefin (PAO) submarkets, with respect to key regions (along with their respective key countries).

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.

## Contents

### **2018-2023 GLOBAL POLY ALPHA OLEFIN (PAO) CONSUMPTION MARKET REPORT**

#### **1 SCOPE OF THE REPORT**

- 1.1 Market Introduction
- 1.2 Research Objectives
- 1.3 Years Considered
- 1.4 Market Research Methodology
- 1.5 Economic Indicators
- 1.6 Currency Considered

#### **2 EXECUTIVE SUMMARY**

- 2.1 World Market Overview
  - 2.1.1 Global Poly Alpha Olefin (PAO) Consumption 2013-2023
  - 2.1.2 Poly Alpha Olefin (PAO) Consumption CAGR by Region
- 2.2 Poly Alpha Olefin (PAO) Segment by Type
  - 2.2.1 Low Viscosity PAO
  - 2.2.2 Medium Viscosity PAO
  - 2.2.3 High Viscosity PAO
- 2.3 Poly Alpha Olefin (PAO) Consumption by Type
  - 2.3.1 Global Poly Alpha Olefin (PAO) Consumption Market Share by Type (2013-2018)
  - 2.3.2 Global Poly Alpha Olefin (PAO) Revenue and Market Share by Type (2013-2018)
  - 2.3.3 Global Poly Alpha Olefin (PAO) Sale Price by Type (2013-2018)
- 2.4 Poly Alpha Olefin (PAO) Segment by Application
  - 2.4.1 Automotive Oils
  - 2.4.2 Industrial Oils
- 2.5 Poly Alpha Olefin (PAO) Consumption by Application
  - 2.5.1 Global Poly Alpha Olefin (PAO) Consumption Market Share by Application (2013-2018)
  - 2.5.2 Global Poly Alpha Olefin (PAO) Value and Market Share by Application (2013-2018)
  - 2.5.3 Global Poly Alpha Olefin (PAO) Sale Price by Application (2013-2018)

#### **3 GLOBAL POLY ALPHA OLEFIN (PAO) BY PLAYERS**

### 3.1 Global Poly Alpha Olefin (PAO) Sales Market Share by Players

3.1.1 Global Poly Alpha Olefin (PAO) Sales by Players (2016-2018)

3.1.2 Global Poly Alpha Olefin (PAO) Sales Market Share by Players (2016-2018)

### 3.2 Global Poly Alpha Olefin (PAO) Revenue Market Share by Players

3.2.1 Global Poly Alpha Olefin (PAO) Revenue by Players (2016-2018)

3.2.2 Global Poly Alpha Olefin (PAO) Revenue Market Share by Players (2016-2018)

### 3.3 Global Poly Alpha Olefin (PAO) Sale Price by Players

### 3.4 Global Poly Alpha Olefin (PAO) Manufacturing Base Distribution, Sales Area, Product Types by Players

3.4.1 Global Poly Alpha Olefin (PAO) Manufacturing Base Distribution and Sales Area by Players

3.4.2 Players Poly Alpha Olefin (PAO) Products Offered

### 3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) (2016-2018)

### 3.6 New Products and Potential Entrants

### 3.7 Mergers & Acquisitions, Expansion

## 4 POLY ALPHA OLEFIN (PAO) BY REGIONS

### 4.1 Poly Alpha Olefin (PAO) by Regions

4.1.1 Global Poly Alpha Olefin (PAO) Consumption by Regions

4.1.2 Global Poly Alpha Olefin (PAO) Value by Regions

### 4.2 Americas Poly Alpha Olefin (PAO) Consumption Growth

### 4.3 APAC Poly Alpha Olefin (PAO) Consumption Growth

### 4.4 Europe Poly Alpha Olefin (PAO) Consumption Growth

### 4.5 Middle East & Africa Poly Alpha Olefin (PAO) Consumption Growth

## 5 AMERICAS

### 5.1 Americas Poly Alpha Olefin (PAO) Consumption by Countries

5.1.1 Americas Poly Alpha Olefin (PAO) Consumption by Countries (2013-2018)

5.1.2 Americas Poly Alpha Olefin (PAO) Value by Countries (2013-2018)

### 5.2 Americas Poly Alpha Olefin (PAO) Consumption by Type

### 5.3 Americas Poly Alpha Olefin (PAO) Consumption by Application

### 5.4 United States

### 5.5 Canada

### 5.6 Mexico

## 5.7 Key Economic Indicators of Few Americas Countries

## **6 APAC**

### 6.1 APAC Poly Alpha Olefin (PAO) Consumption by Countries

#### 6.1.1 APAC Poly Alpha Olefin (PAO) Consumption by Countries (2013-2018)

#### 6.1.2 APAC Poly Alpha Olefin (PAO) Value by Countries (2013-2018)

### 6.2 APAC Poly Alpha Olefin (PAO) Consumption by Type

### 6.3 APAC Poly Alpha Olefin (PAO) Consumption by Application

### 6.4 China

### 6.5 Japan

### 6.6 Korea

### 6.7 Southeast Asia

### 6.8 India

### 6.9 Australia

### 6.10 Key Economic Indicators of Few APAC Countries

## **7 EUROPE**

### 7.1 Europe Poly Alpha Olefin (PAO) by Countries

#### 7.1.1 Europe Poly Alpha Olefin (PAO) Consumption by Countries (2013-2018)

#### 7.1.2 Europe Poly Alpha Olefin (PAO) Value by Countries (2013-2018)

### 7.2 Europe Poly Alpha Olefin (PAO) Consumption by Type

### 7.3 Europe Poly Alpha Olefin (PAO) Consumption by Application

### 7.4 Germany

### 7.5 France

### 7.6 UK

### 7.7 Italy

### 7.8 Russia

### 7.9 Spain

### 7.10 Key Economic Indicators of Few Europe Countries

## **8 MIDDLE EAST & AFRICA**

### 8.1 Middle East & Africa Poly Alpha Olefin (PAO) by Countries

#### 8.1.1 Middle East & Africa Poly Alpha Olefin (PAO) Consumption by Countries (2013-2018)

#### 8.1.2 Middle East & Africa Poly Alpha Olefin (PAO) Value by Countries (2013-2018)

### 8.2 Middle East & Africa Poly Alpha Olefin (PAO) Consumption by Type



### 8.3 Middle East & Africa Poly Alpha Olefin (PAO) Consumption by Application

#### 8.4 Egypt

#### 8.5 South Africa

#### 8.6 Israel

#### 8.7 Turkey

#### 8.8 GCC Countries

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

### 9.1 Market Drivers and Impact

#### 9.1.1 Growing Demand from Key Regions

#### 9.1.2 Growing Demand from Key Applications and Potential Industries

### 9.2 Market Challenges and Impact

### 9.3 Market Trends

## **10 MARKETING, DISTRIBUTORS AND CUSTOMER**

### 10.1 Sales Channel

#### 10.1.1 Direct Marketing

#### 10.1.2 Indirect Marketing

### 10.2 Poly Alpha Olefin (PAO) Distributors

### 10.3 Poly Alpha Olefin (PAO) Customer

## **11 GLOBAL POLY ALPHA OLEFIN (PAO) MARKET FORECAST**

### 11.1 Global Poly Alpha Olefin (PAO) Consumption Forecast (2018-2023)

### 11.2 Global Poly Alpha Olefin (PAO) Forecast by Regions

#### 11.2.1 Global Poly Alpha Olefin (PAO) Forecast by Regions (2018-2023)

#### 11.2.2 Global Poly Alpha Olefin (PAO) Value Forecast by Regions (2018-2023)

#### 11.2.3 Americas Consumption Forecast

#### 11.2.4 APAC Consumption Forecast

#### 11.2.5 Europe Consumption Forecast

#### 11.2.6 Middle East & Africa Consumption Forecast

### 11.3 Americas Forecast by Countries

#### 11.3.1 United States Market Forecast

#### 11.3.2 Canada Market Forecast

#### 11.3.3 Mexico Market Forecast

#### 11.3.4 Brazil Market Forecast

### 11.4 APAC Forecast by Countries

- 11.4.1 China Market Forecast
- 11.4.2 Japan Market Forecast
- 11.4.3 Korea Market Forecast
- 11.4.4 Southeast Asia Market Forecast
- 11.4.5 India Market Forecast
- 11.4.6 Australia Market Forecast
- 11.5 Europe Forecast by Countries
  - 11.5.1 Germany Market Forecast
  - 11.5.2 France Market Forecast
  - 11.5.3 UK Market Forecast
  - 11.5.4 Italy Market Forecast
  - 11.5.5 Russia Market Forecast
  - 11.5.6 Spain Market Forecast
- 11.6 Middle East & Africa Forecast by Countries
  - 11.6.1 Egypt Market Forecast
  - 11.6.2 South Africa Market Forecast
  - 11.6.3 Israel Market Forecast
  - 11.6.4 Turkey Market Forecast
  - 11.6.5 GCC Countries Market Forecast
- 11.7 Global Poly Alpha Olefin (PAO) Forecast by Type
- 11.8 Global Poly Alpha Olefin (PAO) Forecast by Application

## **12 KEY PLAYERS ANALYSIS**

- 12.1 INEOS
  - 12.1.1 Company Details
  - 12.1.2 Poly Alpha Olefin (PAO) Product Offered
  - 12.1.3 INEOS Poly Alpha Olefin (PAO) Sales, Revenue, Price and Gross Margin (2016-2018)
  - 12.1.4 Main Business Overview
  - 12.1.5 INEOS News
- 12.2 ExxonMobil Chemical
  - 12.2.1 Company Details
  - 12.2.2 Poly Alpha Olefin (PAO) Product Offered
  - 12.2.3 ExxonMobil Chemical Poly Alpha Olefin (PAO) Sales, Revenue, Price and Gross Margin (2016-2018)
  - 12.2.4 Main Business Overview
  - 12.2.5 ExxonMobil Chemical News
- 12.3 Chemical

- 12.3.1 Company Details
- 12.3.2 Poly Alpha Olefin (PAO) Product Offered
- 12.3.3 Chemical Poly Alpha Olefin (PAO) Sales, Revenue, Price and Gross Margin (2016-2018)
- 12.3.4 Main Business Overview
- 12.3.5 Chemical News
- 12.4 Chemtura
  - 12.4.1 Company Details
  - 12.4.2 Poly Alpha Olefin (PAO) Product Offered
  - 12.4.3 Chemtura Poly Alpha Olefin (PAO) Sales, Revenue, Price and Gross Margin (2016-2018)
  - 12.4.4 Main Business Overview
  - 12.4.5 Chemtura News
- 12.5 Idemitsu Kosan
  - 12.5.1 Company Details
  - 12.5.2 Poly Alpha Olefin (PAO) Product Offered
  - 12.5.3 Idemitsu Kosan Poly Alpha Olefin (PAO) Sales, Revenue, Price and Gross Margin (2016-2018)
  - 12.5.4 Main Business Overview
  - 12.5.5 Idemitsu Kosan News
- 12.6 Naco
  - 12.6.1 Company Details
  - 12.6.2 Poly Alpha Olefin (PAO) Product Offered
  - 12.6.3 Naco Poly Alpha Olefin (PAO) Sales, Revenue, Price and Gross Margin (2016-2018)
  - 12.6.4 Main Business Overview
  - 12.6.5 Naco News
- 12.7 Shenyang HCPAO
  - 12.7.1 Company Details
  - 12.7.2 Poly Alpha Olefin (PAO) Product Offered
  - 12.7.3 Shenyang HCPAO Poly Alpha Olefin (PAO) Sales, Revenue, Price and Gross Margin (2016-2018)
  - 12.7.4 Main Business Overview
  - 12.7.5 Shenyang HCPAO News

## **13 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES AND FIGURES

Figure Picture of Poly Alpha Olefin (PAO)

Table Product Specifications of Poly Alpha Olefin (PAO)

Figure Poly Alpha Olefin (PAO) Report Years Considered

Figure Market Research Methodology

Figure Global Poly Alpha Olefin (PAO) Consumption Growth Rate 2013-2023 (K MT)

Figure Global Poly Alpha Olefin (PAO) Value Growth Rate 2013-2023 (\$ Millions)

Table Poly Alpha Olefin (PAO) Consumption CAGR by Region 2013-2023 (\$ Millions)

Figure Product Picture of Low Viscosity PAO

Table Major Players of Low Viscosity PAO

Figure Product Picture of Medium Viscosity PAO

Table Major Players of Medium Viscosity PAO

Figure Product Picture of High Viscosity PAO

Table Major Players of High Viscosity PAO

Table Global Consumption Sales by Type (2013-2018)

Table Global Poly Alpha Olefin (PAO) Consumption Market Share by Type (2013-2018)

Figure Global Poly Alpha Olefin (PAO) Consumption Market Share by Type (2013-2018)

Table Global Poly Alpha Olefin (PAO) Revenue by Type (2013-2018) (\$ million)

Table Global Poly Alpha Olefin (PAO) Value Market Share by Type (2013-2018) (\$ Millions)

Figure Global Poly Alpha Olefin (PAO) Value Market Share by Type (2013-2018)

Table Global Poly Alpha Olefin (PAO) Sale Price by Type (2013-2018)

Figure Poly Alpha Olefin (PAO) Consumed in Automotive Oils

Figure Global Poly Alpha Olefin (PAO) Market: Automotive Oils (2013-2018) (K MT)

Figure Global Poly Alpha Olefin (PAO) Market: Automotive Oils (2013-2018) (\$ Millions)

Figure Global Automotive Oils YoY Growth (\$ Millions)

Figure Poly Alpha Olefin (PAO) Consumed in Industrial Oils

Figure Global Poly Alpha Olefin (PAO) Market: Industrial Oils (2013-2018) (K MT)

Figure Global Poly Alpha Olefin (PAO) Market: Industrial Oils (2013-2018) (\$ Millions)

Figure Global Industrial Oils YoY Growth (\$ Millions)

Table Global Consumption Sales by Application (2013-2018)

Table Global Poly Alpha Olefin (PAO) Consumption Market Share by Application (2013-2018)

Figure Global Poly Alpha Olefin (PAO) Consumption Market Share by Application (2013-2018)

Table Global Poly Alpha Olefin (PAO) Value by Application (2013-2018)  
Table Global Poly Alpha Olefin (PAO) Value Market Share by Application (2013-2018)  
Figure Global Poly Alpha Olefin (PAO) Value Market Share by Application (2013-2018)  
Table Global Poly Alpha Olefin (PAO) Sale Price by Application (2013-2018)  
Table Global Poly Alpha Olefin (PAO) Sales by Players (2016-2018) (K MT)  
Table Global Poly Alpha Olefin (PAO) Sales Market Share by Players (2016-2018)  
Figure Global Poly Alpha Olefin (PAO) Sales Market Share by Players in 2016  
Figure Global Poly Alpha Olefin (PAO) Sales Market Share by Players in 2017  
Table Global Poly Alpha Olefin (PAO) Revenue by Players (2016-2018) (\$ Millions)  
Table Global Poly Alpha Olefin (PAO) Revenue Market Share by Players (2016-2018)  
Figure Global Poly Alpha Olefin (PAO) Revenue Market Share by Players in 2016  
Figure Global Poly Alpha Olefin (PAO) Revenue Market Share by Players in 2017  
Table Global Poly Alpha Olefin (PAO) Sale Price by Players (2016-2018)  
Figure Global Poly Alpha Olefin (PAO) Sale Price by Players in 2017  
Table Global Poly Alpha Olefin (PAO) Manufacturing Base Distribution and Sales Area by Players  
Table Players Poly Alpha Olefin (PAO) Products Offered  
Table Poly Alpha Olefin (PAO) Concentration Ratio (CR3, CR5 and CR10) (2016-2018)  
Table Global Poly Alpha Olefin (PAO) Consumption by Regions 2013-2018 (K MT)  
Table Global Poly Alpha Olefin (PAO) Consumption Market Share by Regions 2013-2018  
Figure Global Poly Alpha Olefin (PAO) Consumption Market Share by Regions 2013-2018  
Table Global Poly Alpha Olefin (PAO) Value by Regions 2013-2018 (\$ Millions)  
Table Global Poly Alpha Olefin (PAO) Value Market Share by Regions 2013-2018  
Figure Global Poly Alpha Olefin (PAO) Value Market Share by Regions 2013-2018  
Figure Americas Poly Alpha Olefin (PAO) Consumption 2013-2018 (K MT)  
Figure Americas Poly Alpha Olefin (PAO) Value 2013-2018 (\$ Millions)  
Figure APAC Poly Alpha Olefin (PAO) Consumption 2013-2018 (K MT)  
Figure APAC Poly Alpha Olefin (PAO) Value 2013-2018 (\$ Millions)  
Figure Europe Poly Alpha Olefin (PAO) Consumption 2013-2018 (K MT)  
Figure Europe Poly Alpha Olefin (PAO) Value 2013-2018 (\$ Millions)  
Figure Middle East & Africa Poly Alpha Olefin (PAO) Consumption 2013-2018 (K MT)  
Figure Middle East & Africa Poly Alpha Olefin (PAO) Value 2013-2018 (\$ Millions)  
Table Americas Poly Alpha Olefin (PAO) Consumption by Countries (2013-2018) (K MT)  
Table Americas Poly Alpha Olefin (PAO) Consumption Market Share by Countries (2013-2018)  
Figure Americas Poly Alpha Olefin (PAO) Consumption Market Share by Countries in

2017

Table Americas Poly Alpha Olefin (PAO) Value by Countries (2013-2018) (\$ Millions)

Table Americas Poly Alpha Olefin (PAO) Value Market Share by Countries (2013-2018)

Figure Americas Poly Alpha Olefin (PAO) Value Market Share by Countries in 2017

Table Americas Poly Alpha Olefin (PAO) Consumption by Type (2013-2018) (K MT)

Table Americas Poly Alpha Olefin (PAO) Consumption Market Share by Type (2013-2018)

Figure Americas Poly Alpha Olefin (PAO) Consumption Market Share by Type in 2017

Table Americas Poly Alpha Olefin (PAO) Consumption by Application (2013-2018) (K MT)

Table Americas Poly Alpha Olefin (PAO) Consumption Market Share by Application (2013-2018)

Figure Americas Poly Alpha Olefin (PAO) Consumption Market Share by Application in 2017

Figure United States Poly Alpha Olefin (PAO) Consumption Growth 2013-2018 (K MT)

Figure United States Poly Alpha Olefin (PAO) Value Growth 2013-2018 (\$ Millions)

Figure Canada Poly Alpha Olefin (PAO) Consumption Growth 2013-2018 (K MT)

Figure Canada Poly Alpha Olefin (PAO) Value Growth 2013-2018 (\$ Millions)

Figure Mexico Poly Alpha Olefin (PAO) Consumption Growth 2013-2018 (K MT)

Figure Mexico Poly Alpha Olefin (PAO) Value Growth 2013-2018 (\$ Millions)

Table APAC Poly Alpha Olefin (PAO) Consumption by Countries (2013-2018) (K MT)

Table APAC Poly Alpha Olefin (PAO) Consumption Market Share by Countries (2013-2018)

Figure APAC Poly Alpha Olefin (PAO) Consumption Market Share by Countries in 2017

Table APAC Poly Alpha Olefin (PAO) Value by Countries (2013-2018) (\$ Millions)

Table APAC Poly Alpha Olefin (PAO) Value Market Share by Countries (2013-2018)

Figure APAC Poly Alpha Olefin (PAO) Value Market Share by Countries in 2017

Table APAC Poly Alpha Olefin (PAO) Consumption by Type (2013-2018) (K MT)

Table APAC Poly Alpha Olefin (PAO) Consumption Market Share by Type (2013-2018)

Figure APAC Poly Alpha Olefin (PAO) Consumption Market Share by Type in 2017

Table APAC Poly Alpha Olefin (PAO) Consumption by Application (2013-2018) (K MT)

Table APAC Poly Alpha Olefin (PAO) Consumption Market Share by Application (2013-2018)

Figure APAC Poly Alpha Olefin (PAO) Consumption Market Share by Application in 2017

Figure China Poly Alpha Olefin (PAO) Consumption Growth 2013-2018 (K MT)

Figure China Poly Alpha Olefin (PAO) Value Growth 2013-2018 (\$ Millions)

Figure Japan Poly Alpha Olefin (PAO) Consumption Growth 2013-2018 (K MT)

Figure Japan Poly Alpha Olefin (PAO) Value Growth 2013-2018 (\$ Millions)



Figure Korea Poly Alpha Olefin (PAO) Consumption Growth 2013-2018 (K MT)  
Figure Korea Poly Alpha Olefin (PAO) Value Growth 2013-2018 (\$ Millions)  
Figure Southeast Asia Poly Alpha Olefin (PAO) Consumption Growth 2013-2018 (K MT)  
Figure Southeast Asia Poly Alpha Olefin (PAO) Value Growth 2013-2018 (\$ Millions)  
Figure India Poly Alpha Olefin (PAO) Consumption Growth 2013-2018 (K MT)  
Figure India Poly Alpha Olefin (PAO) Value Growth 2013-2018 (\$ Millions)  
Figure Australia Poly Alpha Olefin (PAO) Consumption Growth 2013-2018 (K MT)  
Figure Australia Poly Alpha Olefin (PAO) Value Growth 2013-2018 (\$ Millions)  
Table Europe Poly Alpha Olefin (PAO) Consumption by Countries (2013-2018) (K MT)  
Table Europe Poly Alpha Olefin (PAO) Consumption Market Share by Countries (2013-2018)  
Figure Europe Poly Alpha Olefin (PAO) Consumption Market Share by Countries in 2017  
Table Europe Poly Alpha Olefin (PAO) Value by Countries (2013-2018) (\$ Millions)  
Table Europe Poly Alpha Olefin (PAO) Value Market Share by Countries (2013-2018)  
Figure Europe Poly Alpha Olefin (PAO) Value Market Share by Countries in 2017  
Table Europe Poly Alpha Olefin (PAO) Consumption by Type (2013-2018) (K MT)  
Table Europe Poly Alpha Olefin (PAO) Consumption Market Share by Type (2013-2018)  
Figure Europe Poly Alpha Olefin (PAO) Consumption Market Share by Type in 2017  
Table Europe Poly Alpha Olefin (PAO) Consumption by Application (2013-2018) (K MT)  
Table Europe Poly Alpha Olefin (PAO) Consumption Market Share by Application (2013-2018)  
Figure Europe Poly Alpha Olefin (PAO) Consumption Market Share by Application in 2017  
Figure Germany Poly Alpha Olefin (PAO) Consumption Growth 2013-2018 (K MT)  
Figure Germany Poly Alpha Olefin (PAO) Value Growth 2013-2018 (\$ Millions)  
Figure France Poly Alpha Olefin (PAO) Consumption Growth 2013-2018 (K MT)  
Figure France Poly Alpha Olefin (PAO) Value Growth 2013-2018 (\$ Millions)  
Figure UK Poly Alpha Olefin (PAO) Consumption Growth 2013-2018 (K MT)  
Figure UK Poly Alpha Olefin (PAO) Value Growth 2013-2018 (\$ Millions)  
Figure Italy Poly Alpha Olefin (PAO) Consumption Growth 2013-2018 (K MT)  
Figure Italy Poly Alpha Olefin (PAO) Value Growth 2013-2018 (\$ Millions)  
Figure Russia Poly Alpha Olefin (PAO) Consumption Growth 2013-2018 (K MT)  
Figure Russia Poly Alpha Olefin (PAO) Value Growth 2013-2018 (\$ Millions)  
Figure Spain Poly Alpha Olefin (PAO) Consumption Growth 2013-2018 (K MT)  
Figure Spain Poly Alpha Olefin (PAO) Value Growth 2013-2018 (\$ Millions)  
Table Middle East & Africa Poly Alpha Olefin (PAO) Consumption by Countries (2013-2018) (K MT)

Table Middle East & Africa Poly Alpha Olefin (PAO) Consumption Market Share by Countries (2013-2018)

Figure Middle East & Africa Poly Alpha Olefin (PAO) Consumption Market Share by Countries in 2017

Table Middle East & Africa Poly Alpha Olefin (PAO) Value by Countries (2013-2018) (\$ Millions)

Table Middle East & Africa Poly Alpha Olefin (PAO) Value Market Share by Countries (2013-2018)

Figure Middle East & Africa Poly Alpha Olefin (PAO) Value Market Share by Countries in 2017

Table Middle East & Africa Poly Alpha Olefin (PAO) Consumption by Type (2013-2018) (K MT)

Table Middle East & Africa Poly Alpha Olefin (PAO) Consumption Market Share by Type (2013-2018)

Figure Middle East & Africa Poly Alpha Olefin (PAO) Consumption Market Share by Type in 2017

Table Middle East & Africa Poly Alpha Olefin (PAO) Consumption by Application (2013-2018) (K MT)

Table Middle East & Africa Poly Alpha Olefin (PAO) Consumption Market Share by Application (2013-2018)

Figure Middle East & Africa Poly Alpha Olefin (PAO) Consumption Market Share by Application in 2017

Figure Egypt Poly Alpha Olefin (PAO) Consumption Growth 2013-2018 (K MT)

Figure Egypt Poly Alpha Olefin (PAO) Value Growth 2013-2018 (\$ Millions)

Figure South Africa Poly Alpha Olefin (PAO) Consumption Growth 2013-2018 (K MT)

Figure South Africa Poly Alpha Olefin (PAO) Value Growth 2013-2018 (\$ Millions)

Figure Israel Poly Alpha Olefin (PAO) Consumption Growth 2013-2018 (K MT)

Figure Israel Poly Alpha Olefin (PAO) Value Growth 2013-2018 (\$ Millions)

Figure Turkey Poly Alpha Olefin (PAO) Consumption Growth 2013-2018 (K MT)

Figure Turkey Poly Alpha Olefin (PAO) Value Growth 2013-2018 (\$ Millions)

Figure GCC Countries Poly Alpha Olefin (PAO) Consumption Growth 2013-2018 (K MT)

Figure GCC Countries Poly Alpha Olefin (PAO) Value Growth 2013-2018 (\$ Millions)

Table Poly Alpha Olefin (PAO) Distributors List

Table Poly Alpha Olefin (PAO) Customer List

Figure Global Poly Alpha Olefin (PAO) Consumption Growth Rate Forecast (2018-2023) (K MT)

Figure Global Poly Alpha Olefin (PAO) Value Growth Rate Forecast (2018-2023) (\$ Millions)

Table Global Poly Alpha Olefin (PAO) Consumption Forecast by Countries (2018-2023)



(K MT)

Table Global Poly Alpha Olefin (PAO) Consumption Market Forecast by Regions

Table Global Poly Alpha Olefin (PAO) Value Forecast by Countries (2018-2023) (\$ Millions)

Table Global Poly Alpha Olefin (PAO) Value Market Share Forecast by Regions

Figure Americas Poly Alpha Olefin (PAO) Consumption 2018-2023 (K MT)

Figure Americas Poly Alpha Olefin (PAO) Value 2018-2023 (\$ Millions)

Figure APAC Poly Alpha Olefin (PAO) Consumption 2018-2023 (K MT)

Figure APAC Poly Alpha Olefin (PAO) Value 2018-2023 (\$ Millions)

Figure Europe Poly Alpha Olefin (PAO) Consumption 2018-2023 (K MT)

Figure Europe Poly Alpha Olefin (PAO) Value 2018-2023 (\$ Millions)

Figure Middle East & Africa Poly Alpha Olefin (PAO) Consumption 2018-2023 (K MT)

Figure Middle East & Africa Poly Alpha Olefin (PAO) Value 2018-2023 (\$ Millions)

Figure United States Poly Alpha Olefin (PAO) Consumption 2018-2023 (K MT)

Figure United States Poly Alpha Olefin (PAO) Value 2018-2023 (\$ Millions)

Figure Canada Poly Alpha Olefin (PAO) Consumption 2018-2023 (K MT)

Figure Canada Poly Alpha Olefin (PAO) Value 2018-2023 (\$ Millions)

Figure Mexico Poly Alpha Olefin (PAO) Consumption 2018-2023 (K MT)

Figure Mexico Poly Alpha Olefin (PAO) Value 2018-2023 (\$ Millions)

Figure Brazil Poly Alpha Olefin (PAO) Consumption 2018-2023 (K MT)

Figure Brazil Poly Alpha Olefin (PAO) Value 2018-2023 (\$ Millions)

Figure China Poly Alpha Olefin (PAO) Consumption 2018-2023 (K MT)

Figure China Poly Alpha Olefin (PAO) Value 2018-2023 (\$ Millions)

Figure Japan Poly Alpha Olefin (PAO) Consumption 2018-2023 (K MT)

Figure Japan Poly Alpha Olefin (PAO) Value 2018-2023 (\$ Millions)

Figure Korea Poly Alpha Olefin (PAO) Consumption 2018-2023 (K MT)

Figure Korea Poly Alpha Olefin (PAO) Value 2018-2023 (\$ Millions)

Figure Southeast Asia Poly Alpha Olefin (PAO) Consumption 2018-2023 (K MT)

Figure Southeast Asia Poly Alpha Olefin (PAO) Value 2018-2023 (\$ Millions)

Figure India Poly Alpha Olefin (PAO) Consumption 2018-2023 (K MT)

Figure India Poly Alpha Olefin (PAO) Value 2018-2023 (\$ Millions)

Figure Australia Poly Alpha Olefin (PAO) Consumption 2018-2023 (K MT)

Figure Australia Poly Alpha Olefin (PAO) Value 2018-2023 (\$ Millions)

Figure Germany Poly Alpha Olefin (PAO) Consumption 2018-2023 (K MT)

Figure Germany Poly Alpha Olefin (PAO) Value 2018-2023 (\$ Millions)

Figure France Poly Alpha Olefin (PAO) Consumption 2018-2023 (K MT)

Figure France Poly Alpha Olefin (PAO) Value 2018-2023 (\$ Millions)

Figure UK Poly Alpha Olefin (PAO) Consumption 2018-2023 (K MT)

Figure UK Poly Alpha Olefin (PAO) Value 2018-2023 (\$ Millions)

Figure Italy Poly Alpha Olefin (PAO) Consumption 2018-2023 (K MT)  
Figure Italy Poly Alpha Olefin (PAO) Value 2018-2023 (\$ Millions)  
Figure Russia Poly Alpha Olefin (PAO) Consumption 2018-2023 (K MT)  
Figure Russia Poly Alpha Olefin (PAO) Value 2018-2023 (\$ Millions)  
Figure Spain Poly Alpha Olefin (PAO) Consumption 2018-2023 (K MT)  
Figure Spain Poly Alpha Olefin (PAO) Value 2018-2023 (\$ Millions)  
Figure Egypt Poly Alpha Olefin (PAO) Consumption 2018-2023 (K MT)  
Figure Egypt Poly Alpha Olefin (PAO) Value 2018-2023 (\$ Millions)  
Figure South Africa Poly Alpha Olefin (PAO) Consumption 2018-2023 (K MT)  
Figure South Africa Poly Alpha Olefin (PAO) Value 2018-2023 (\$ Millions)  
Figure Israel Poly Alpha Olefin (PAO) Consumption 2018-2023 (K MT)  
Figure Israel Poly Alpha Olefin (PAO) Value 2018-2023 (\$ Millions)  
Figure Turkey Poly Alpha Olefin (PAO) Consumption 2018-2023 (K MT)  
Figure Turkey Poly Alpha Olefin (PAO) Value 2018-2023 (\$ Millions)  
Figure GCC Countries Poly Alpha Olefin (PAO) Consumption 2018-2023 (K MT)  
Figure GCC Countries Poly Alpha Olefin (PAO) Value 2018-2023 (\$ Millions)  
Table Global Poly Alpha Olefin (PAO) Consumption Forecast by Type (2018-2023) (K MT)  
Table Global Poly Alpha Olefin (PAO) Consumption Market Share Forecast by Type (2018-2023)  
Table Global Poly Alpha Olefin (PAO) Value Forecast by Type (2018-2023) (\$ Millions)  
Table Global Poly Alpha Olefin (PAO) Value Market Share Forecast by Type (2018-2023)  
Table Global Poly Alpha Olefin (PAO) Consumption Forecast by Application (2018-2023) (K MT)  
Table Global Poly Alpha Olefin (PAO) Consumption Market Share Forecast by Application (2018-2023)  
Table Global Poly Alpha Olefin (PAO) Value Forecast by Application (2018-2023) (\$ Millions)  
Table Global Poly Alpha Olefin (PAO) Value Market Share Forecast by Application (2018-2023)  
Table INEOS Basic Information, Manufacturing Base, Sales Area and Its Competitors  
Table INEOS Poly Alpha Olefin (PAO) Sales, Revenue, Price and Gross Margin (2016-2018)  
Figure INEOS Poly Alpha Olefin (PAO) Market Share (2016-2018)  
Table ExxonMobil Chemical Basic Information, Manufacturing Base, Sales Area and Its Competitors  
Table ExxonMobil Chemical Poly Alpha Olefin (PAO) Sales, Revenue, Price and Gross Margin (2016-2018)

Figure ExxonMobil Chemical Poly Alpha Olefin (PAO) Market Share (2016-2018)  
Table Chemical Basic Information, Manufacturing Base, Sales Area and Its Competitors  
Table Chemical Poly Alpha Olefin (PAO) Sales, Revenue, Price and Gross Margin (2016-2018)  
Figure Chemical Poly Alpha Olefin (PAO) Market Share (2016-2018)  
Table Chemtura Basic Information, Manufacturing Base, Sales Area and Its Competitors  
Table Chemtura Poly Alpha Olefin (PAO) Sales, Revenue, Price and Gross Margin (2016-2018)  
Figure Chemtura Poly Alpha Olefin (PAO) Market Share (2016-2018)  
Table Idemitsu Kosan Basic Information, Manufacturing Base, Sales Area and Its Competitors  
Table Idemitsu Kosan Poly Alpha Olefin (PAO) Sales, Revenue, Price and Gross Margin (2016-2018)  
Figure Idemitsu Kosan Poly Alpha Olefin (PAO) Market Share (2016-2018)  
Table Naco Basic Information, Manufacturing Base, Sales Area and Its Competitors  
Table Naco Poly Alpha Olefin (PAO) Sales, Revenue, Price and Gross Margin (2016-2018)  
Figure Naco Poly Alpha Olefin (PAO) Market Share (2016-2018)  
Table Shenyang HCPAO Basic Information, Manufacturing Base, Sales Area and Its Competitors  
Table Shenyang HCPAO Poly Alpha Olefin (PAO) Sales, Revenue, Price and Gross Margin (2016-2018)  
Figure Shenyang HCPAO Poly Alpha Olefin (PAO) Market Share (2016-2018)

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