

Global Polyethylene Market:
Analysis By Demand, By
Production, By Product Density, By
Application, By Region Size &
Forecast with Impact Analysis of
COVID-19 and Forecast up to 2027

September 2022



Global Polyethylene Market: Coverage

Executive Summary and Scope

Introduction/Market Overview

Global Market Analysis

Regional Market Analysis

Impact of COVID

Dynamics

Competitive Landscape

Company Profiling

Global Polyethylene Market: Coverage

Scope of the Report

Attributes	Details
Title	Global Polyethylene Market: Analysis By Demand, By Production, By Product Density, By Application, By Region Size & Forecast with Impact Analysis of COVID-19 and Forecast up to 2027
Coverage	Global and Regional
Market Influencing Variables	Growth Drivers, Challenges, Market Trends
Forecast Period of Market	2022-2027
Competition in the Market	Moderately Fragmented
Key Players	LyondellBasell Industries, SABIC, Repsol Group, ExxonMobil Corporation, INEOS Group Holdings S.A., MOL Group, The Dow Chemical Company, Borealis AG, Reliance Industries Limited, Braskem S.A, LG Chem Ltd., Borouge, Formosa Plastics Corp, Chevron Phillips Chemical Co., and China Petrochemical Corporation (SINOPEC)

Global Polyethylene Market: Coverage

Executive Summary

Polyethylene is a lightweight, long-lasting plastic that is commonly used for frozen food bags, bottles, cereal liners, yoghurt containers, and other applications. All plastics with recycling codes 2 and 4 contain polyethylene. PE polymers have a variety of crystalline forms. PE is created by polymerizing ethylene (or ethene) monomer. The global polyethylene market in 2021 was valued at US\$139.95 billion. The market is expected to reach US\$186.16 billion by 2027, growing at a CAGR of 4.87%, during the forecast period of 2022-2027.

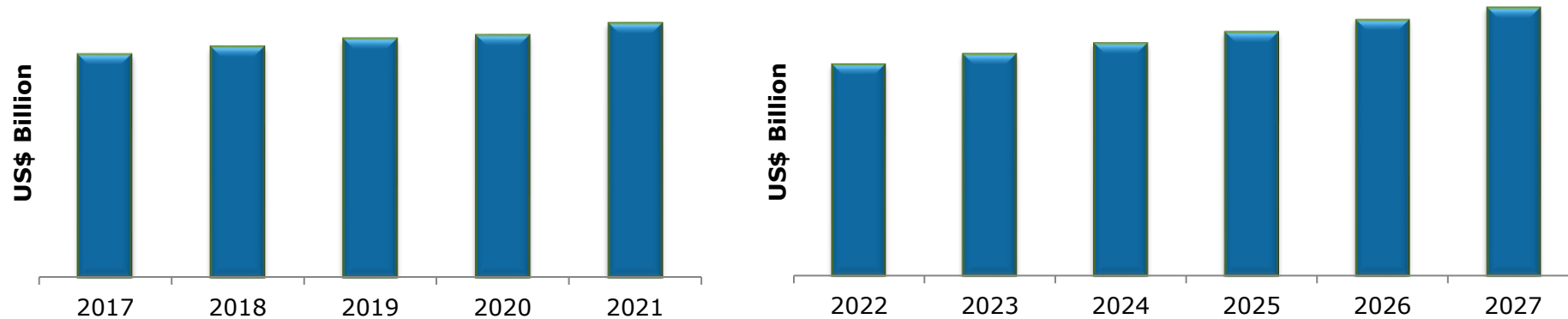
The global polyethylene market can be segmented based on Product Density (High Density Polyethylene (HDPE), Low Density Polyethylene (LDPE) and Linear Low Density Polyethylene (LLDPE); and Application (Packaging, Construction, Household, Agriculture and Others). Among the product density segments, High Density Polyethylene (HDPE) is leading the market by occupying 43% of the market in 2021. High density polyethylene (HDPE) is majorly used in the construction industry, therefore, future expansion in this industry would act as a positive driver for the market. Asia Pacific is leading the global polyethylene market by occupying around 40% share of the market.

The outbreak of the COVID-19 pandemic has increased polyethylene use. The quick development in demand for online sales channels in numerous industries such as food and beverages, consumer goods, and pharmaceuticals has greatly boosted polyethylene packaging use. Polyethylene's versatility, strength, low cost, and light weight made it a popular packaging material, particularly for food and beverage products. Furthermore, the fast rise of online food delivery services has greatly increased demand for polyethylene packaging. Polyethylene has negative environmental effects, yet its use is predicted to increase significantly due to its widespread use in numerous industries throughout the world.

The global polyethylene market has increased in 2021. The projections are made that the market would rise in the next five years i.e. 2022-2027 tremendously. The market is expected to increase due to upsurge in e-commerce sales, escalating single-person household, upsurge in demand for plastic bags & sacks, increase in demand for packaged food, etc. Yet the market faces some challenges such as increasing demand for plastic films, degrading impact on environment, etc. Moreover, the market growth would succeed to various market trends like rising cultivation of cannabis (hemp & marijuana), increasing demand for plastic films, etc.

Polyethylene Market: Global Analysis

Global Polyethylene Market by Value



CAGRs	
2017-2021	xx%
2022-2027	xx%

The global polyethylene market valued at US\$... billion in 2021, increased as compared to US\$... billion in 2020. Global polyethylene market is anticipated to reach up to US\$... billion by 2027, at a CAGR of%, from US\$... billion in 2022.

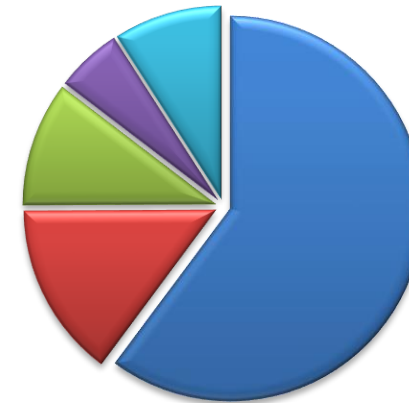
Polyethylene Market: Global Analysis

Global Polyethylene Market by Product Density; 2021



Product Density	Share
High Density Polyethylene (HDPE)	xx%
Low Density Polyethylene (LDPE)	xx%
Linear Low Density Polyethylene (LLDPE)	xx%

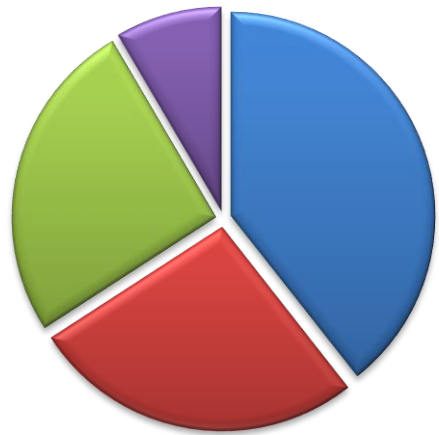
Global Polyethylene Market by Application; 2021



Application	Share
Packaging	xx%
Construction	xx%
Household	xx%
Agriculture	xx%
Others	xx%

Polyethylene Market: Global Analysis

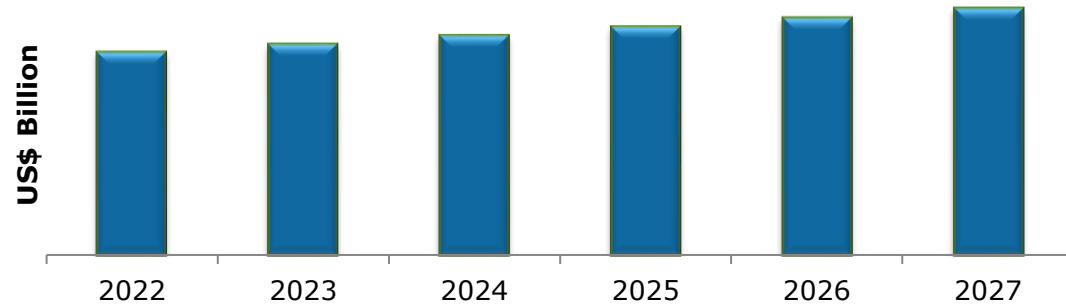
Global Polyethylene Market by Region; 2021



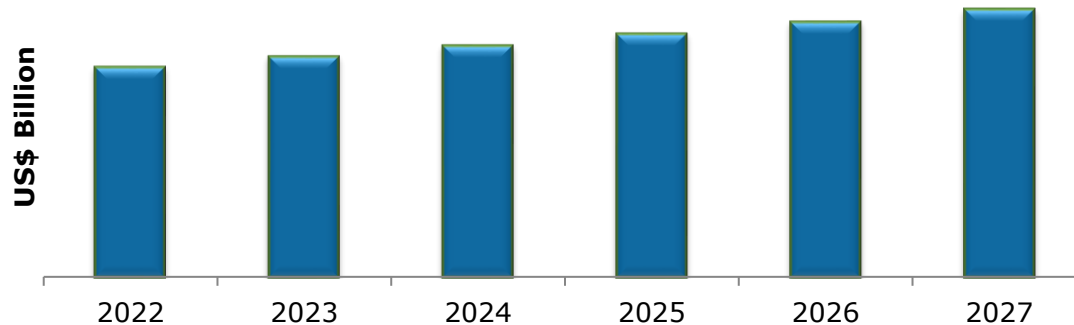
Region	Share
Asia Pacific	xx%
North America	xx%
Europe	xx%
Rest of the World	xx%

Global Polyethylene Market: Product Density Analysis

Global High Density Polyethylene (HDPE) Polyethylene Market by Value



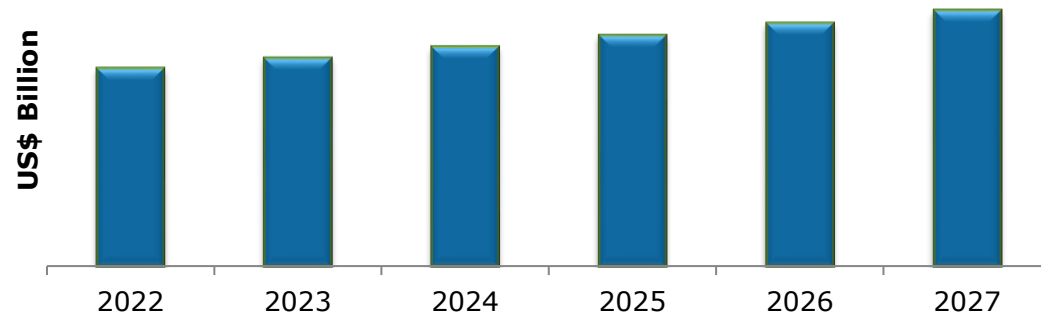
Global Linear Low Density Polyethylene (LLDPE) Polyethylene Market by Value



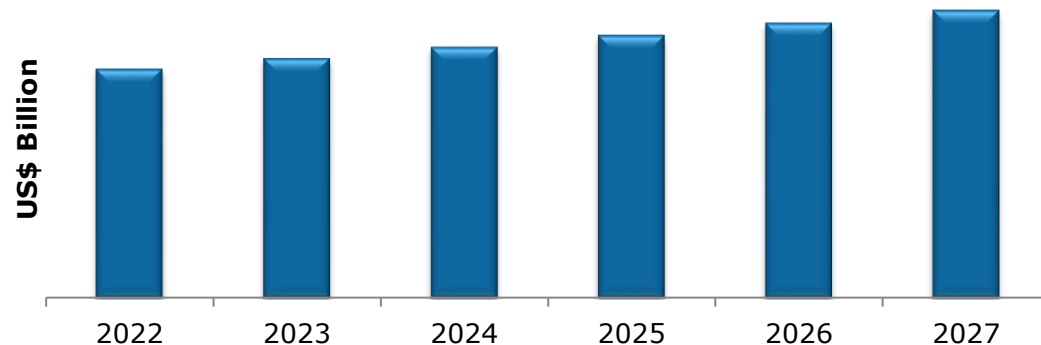
Product Density	CAGR (2017-2021)	CAGR (2022-2027)
High Density Polyethylene (HDPE)	xx%	xx%
Low Density Polyethylene (LDPE)	xx%	xx%
Linear Low Density Polyethylene (LLDPE)	xx%	xx%

Global Polyethylene Market: Application Analysis

Global Packaging Polyethylene Market by Value



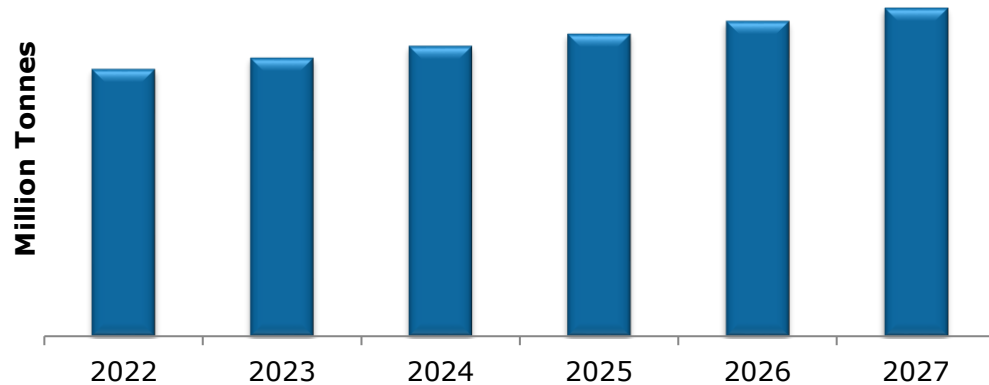
Global Construction Polyethylene Market by Value



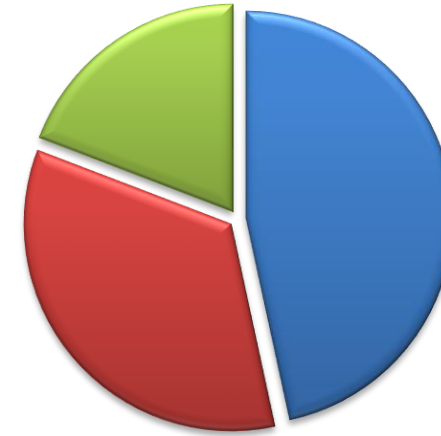
Application	CAGR (2017-2021)	CAGR (2022-2027)
Packaging	xx%	xx%
Construction	xx%	xx%
Household	xx%	xx%
Agriculture	xx%	xx%
Others	xx%	xx%

Polyethylene Market: Global Analysis

Global Polyethylene Market by Demand



Global Polyethylene Market Demand by Product Density; 2021



Product Density	Share
High Density Polyethylene (HDPE)	xx%
Low Density Polyethylene (LDPE)	xx%
Linear Low Density Polyethylene (LLDPE)	xx%

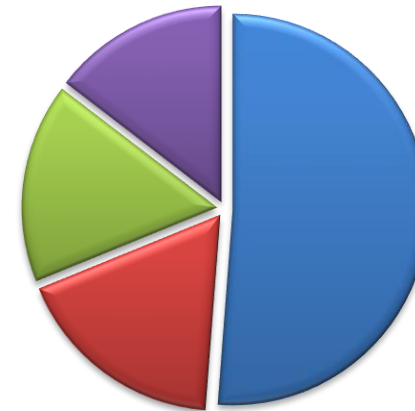
Polyethylene Market: Global Analysis

Global Polyethylene Market Demand by Technology; 2021



Technology	Share
Film	xx%
Blow Molding	xx%
Injection Molding	xx%
Pipe & Conduit	xx%
Extrusion	xx%
Others	xx%

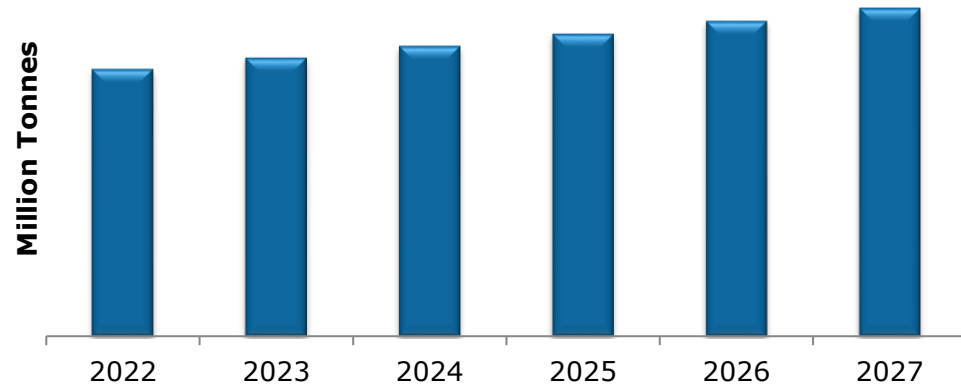
Global Polyethylene Market Demand by Region; 2021



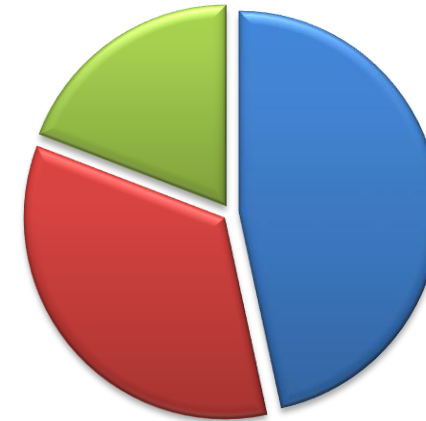
Region	Share
Asia Pacific	xx%
Europe	xx%
North America	xx%
Rest of the World	xx%

Polyethylene Market: Global Analysis

Global Polyethylene Market by Production



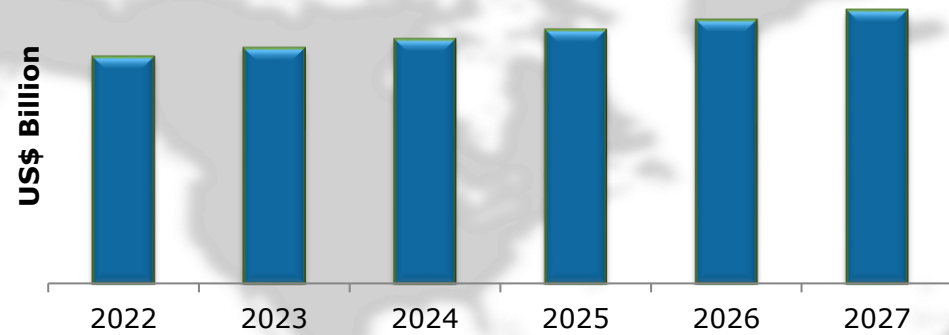
Global Polyethylene Market Production by Product Density; 2021



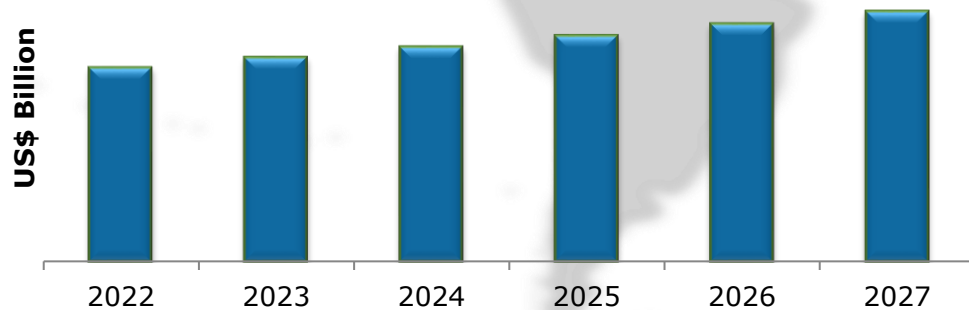
Product Density	Share
High Density Polyethylene (HDPE)	xx%
Low Density Polyethylene (LDPE)	xx%
Linear Low Density Polyethylene (LLDPE)	xx%

Polyethylene Market: Regional Analysis

Asia Pacific Polyethylene Market by Value



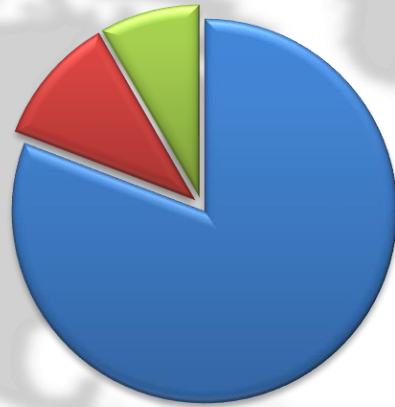
North America Polyethylene Market by Value



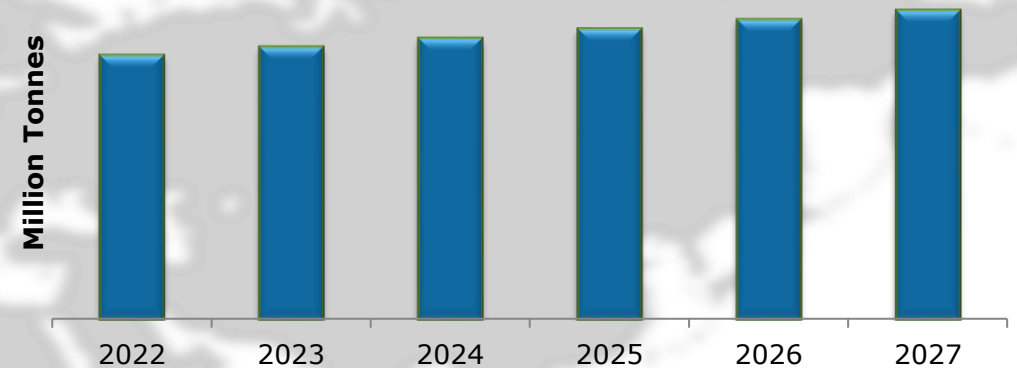
Regions	CAGR (2017-2021)	CAGR (2022-2027)
Asia Pacific	xx%	xx%
Europe	xx%	xx%
North America	xx%	xx%
Rest of the World	xx%	xx%

North America Polyethylene Market: Analysis

North America Polyethylene Market by Region; 2021



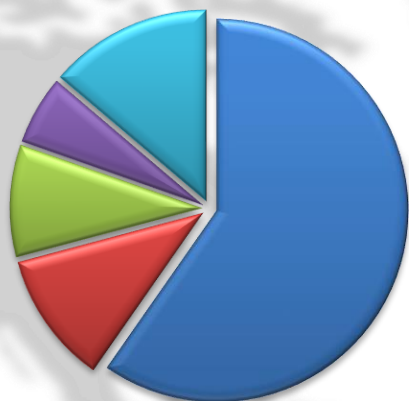
North America Polyethylene Market by Demand



Region	Share	CAGR (2017-2021)	CAGR (2022-2027)
The US	xx%	xx%	xx%
Canada	xx%	xx%	xx%
Mexico	xx%	xx%	xx%

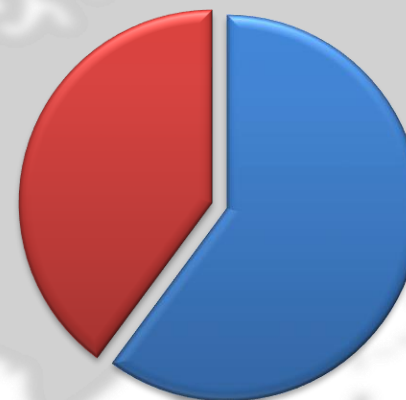
Asia Pacific Polyethylene Market: Analysis

Asia Pacific Polyethylene Market by Region; 2021



Region	Share	CAGR (2017-2021)	CAGR (2022-2027)
China	xx%	xx%	xx%
Japan	xx%	xx%	xx%
India	xx%	xx%	xx%
South Korea	xx%	xx%	xx%
Rest of Asia Pacific	xx%	xx%	xx%

Asia Pacific Polyethylene Market Demand by Region; 2021



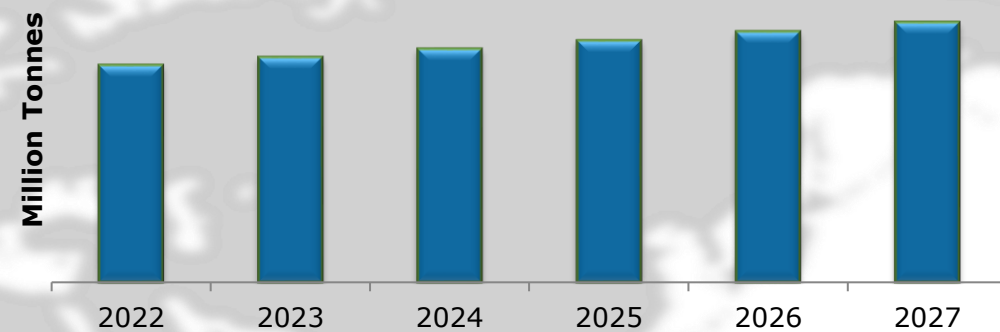
Region	Share	CAGR (2017-2021)	CAGR (2022-2027)
China	xx%	xx%	xx%
Rest of Asia Pacific	xx%	xx%	xx%

Europe Polyethylene Market: Analysis

Europe Polyethylene Market by Region; 2021



Europe Polyethylene Market by Demand



Region	Share	CAGR (2017-2021)	CAGR (2022-2027)
Germany	xx%	xx%	xx%
UK	xx%	xx%	xx%
France	xx%	xx%	xx%
Italy	xx%	xx%	xx%
Spain	xx%	xx%	xx%
Rest of Europe	xx%	xx%	xx%

Global Polyethylene Market: Dynamics



Global Polyethylene Market: Competitive Landscape

Players Profiled

- LyondellBasell Industries,
- SABIC,
- Repsol Group,
- ExxonMobil Corporation,
- INEOS Group Holdings S.A.,
- MOL Group,
- The Dow Chemical Company,
- Borealis AG,
- Reliance Industries Limited,
- Braskem S.A,
- LG Chem Ltd.,
- Borouge,
- Formosa Plastics Corp,
- Chevron Phillips Chemical Co.,
- China Petrochemical Corporation (SINOPEC)