

# **Global Grafted Polyolefins Market Size Study, by Type (Maleic Anhydride Grafted PE, Maleic Anhydride Grafted PP, Maleic Anhydride Grafted EVA, Others), by Processing Technology (Extrusion, Melt Grafting, Others), by Application (Adhesion Promotion, Impact Modification, Compatibilization, Bonding, Others), by End-Use (Automotive, Packaging, Construction, Textiles, Adhesives & Sealants, Others), and Regional Forecasts 2024-2032**

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## **Abstracts**

The Global Grafted Polyolefins Market was valued at USD 1.72 billion in 2023 and is anticipated to grow significantly, registering a CAGR of 4.8% during the forecast period from 2024 to 2032, reaching a market size of approximately USD 2.62 billion by 2032. Grafted polyolefins, modified thermoplastic polymers known for their exceptional adhesive properties and compatibility with diverse substrates, are increasingly in demand across multiple industries such as automotive, construction, and packaging.

The rising adoption of grafted polyolefins in construction is driven by the booming construction sector globally. These materials are essential for adhesives and sealants due to their outstanding adhesion properties and environmental resistance. Additionally, the automotive industry's demand for lightweight and high-performance materials to enhance fuel efficiency and meet environmental regulations is a critical growth driver for the market.

Advancements in processing technologies, such as melt grafting, and innovations in recycling methods to promote sustainability are transforming the market landscape. The

growing focus on circular economy practices and the reduction of plastic waste further bolsters the adoption of grafted polyolefins. For instance, novel bio-composites developed using recycled polyolefins have demonstrated environmental benefits while maintaining functional performance.

Regionally, North America dominates the market due to substantial investments in automotive advancements and infrastructure modernization. Asia Pacific is expected to witness the highest growth rate, fueled by rising disposable incomes, urbanization, and the increasing adoption of electric vehicles in countries like China and India.

Major market players included in this report are:

1. Arkema
2. Borealis AG
3. Clariant
4. COACE
5. Dow
6. Guangzhou Lushan New Materials Co., Ltd.
7. LyondellBasell Industries Holdings B.V.
8. Mitsubishi Chemical Group Corporation
9. Mitsui Chemicals Asia Pacific, Ltd.
10. SI Group, Inc.
11. ExxonMobil Corporation
12. SABIC
13. PolyOne Corporation
14. The Compound Co.

## 15. Hanwha Solutions

The detailed segments and sub-segment of the market are explained below:

### By Type

Maleic Anhydride Grafted PE

Maleic Anhydride Grafted PP

Maleic Anhydride Grafted EVA

Others

### By Processing Technology

Extrusion

Melt Grafting

Others

### By Application

Adhesion Promotion

Impact Modification

Compatibilization

Bonding

Others

### By End-Use

Automotive

Packaging

Construction

Textiles

Adhesives & Sealants

Others

By Region:

North America

U.S.

Canada

Europe

Germany

UK

France

Italy

Spain

Netherlands

Rest of Europe

## Asia Pacific

China

India

Japan

South Korea

Australia

Malaysia

Vietnam

Rest of Asia-Pacific

## Middle East & Africa

Saudi Arabia

UAE

Israel

South Africa

Rest of Middle East & Africa

## Latin America

Brazil

Mexico

Argentina

Rest of Latin America

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional-level analysis for each market segment.

Detailed analysis of the geographical landscape with country-level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of the competitive structure of the market.

Demand-side and supply-side analysis of the market.

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