

Impact Modifier Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Type (ABS, CPE, MBS, Acrylic, EPDM, Others), By Host Polymer (PVC, PMMA, Polyolefin, Polyester, Polyamide, Others), By End User (Construction, Packaging, Automotive, Consumer Goods, Others), By Region & Competition, 2020-2030F

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Abstracts

Market Overview

The Global Impact Modifier Market was valued at USD 4.26 Billion in 2024 and is projected to reach USD 5.34 Billion by 2030, growing at a CAGR of 4.04% during the forecast period. Impact modifiers are vital additives used to enhance the toughness and mechanical durability of plastic resins, especially in environments prone to low temperatures or mechanical stress. These additives significantly reduce brittleness and improve resistance to cracking under impact, ensuring structural integrity in demanding applications. In addition to impact strength, modifiers offer secondary benefits such as enhanced tensile properties, flame retardancy, thermal resistance, optical clarity, and improved processing performance. A wide variety of impact modifiers are tailored for specific base polymers and desired performance outcomes, making them indispensable across industries such as automotive, packaging, construction, and consumer goods.

Key Market Drivers

Growing Demand of Impact Modifier in Automotive Industry

The automotive industry's push toward lightweight vehicle designs to improve fuel

efficiency and reduce emissions is a major factor driving demand for impact modifiers. With global sales of light commercial vehicles projected to reach 29.53 million units by 2025—and the U.S. alone expected to contribute around 14.09 million units—the use of plastics in vehicle manufacturing is increasing. However, to meet performance requirements, these plastics must withstand high impact, stress, and varying environmental conditions. Impact modifiers improve the toughness of these lightweight materials, enhancing their resilience against cracking or mechanical failure. This makes them particularly valuable in producing automotive components that need to endure daily wear, temperature fluctuations, and collision impacts, all while helping manufacturers meet regulatory and sustainability targets.

Key Market Challenges

Volatility in Prices of Raw Materials

A significant challenge for the global impact modifier market is the high volatility in raw material prices. These fluctuations, driven by factors such as geopolitical instability, supply-demand imbalances, and economic shifts, complicate production cost forecasting for manufacturers. Many raw materials used in impact modifier production are derived from petroleum-based inputs, making the market highly sensitive to changes in oil prices. Sharp cost increases can squeeze profit margins, especially when manufacturers are unable to pass higher input costs to end users. While some companies pursue fixed-price agreements with suppliers to mitigate uncertainty, this approach is limited when raw material prices trend upward. This ongoing cost unpredictability makes long-term planning difficult and affects the competitiveness of smaller firms.

Key Market Trends

Shift Towards Sustainable and Eco-Friendly Modifiers

The impact modifier market is increasingly shaped by the global shift toward sustainability and environmental responsibility. Manufacturers are prioritizing the development of bio-based and low-toxicity modifiers to align with regulatory pressures and rising consumer expectations for eco-friendly materials. This transition supports global efforts to reduce carbon footprints and dependency on petroleum-based inputs. Industries such as construction, automotive, and packaging are integrating sustainable practices throughout their supply chains, thereby accelerating the demand for green alternatives in plastic formulation. As environmental standards tighten worldwide, the

move toward sustainable impact modifiers is expected to become a core component of long-term industry growth and innovation.

Key Market Players

Addivant USA Holdings Corp.

Akdeniz Kimya Sanayi Ve Ticaret A.S.

Arkema SA

Clariant AG

The Dow Chemical Company

Evonik Industries AG

Kaneka Americas Holding Inc.

Mitsubishi Chemical Corporation

Plastics Color Corporation

Shandong Ruifeng Chemical Co. Ltd

Report Scope:

In this report, the Global Impact Modifier Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Impact Modifier Market, By Type:

ABS

CPE

MBS

Acrylic

EPDM

Others

Impact Modifier Market, By Host Polymer:

PVC

PMMA

Polyolefin

Polyester

Polyamide

Others

Impact Modifier Market, By End User:

Construction

Packaging

Automotive

Consumer Goods

Others

Impact Modifier Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Impact Modifier Market.

Available Customizations:

Global Impact Modifier Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, Trends

4. GLOBAL IMPACT MODIFIER MARKET OUTLOOK

- 4.1. Market Size & Forecast
 - 4.1.1. By Value
- 4.2. Market Share & Forecast
 - 4.2.1. By Type (ABS, CPE, MBS, Acrylic, EPDM, Others)
 - 4.2.2. By Host Polymer (PVC, PMMA, Polyolefin, Polyester, Polyamide, Others)
 - 4.2.3. By End User (Construction, Packaging, Automotive, Consumer Goods, Others)
 - 4.2.4. By Region
 - 4.2.5. By Company (2024)
- 4.3. Market Map

- 4.3.1. By Type
- 4.3.2. By Host Polymer
- 4.3.3. By End User
- 4.3.4. By Region

5. ASIA PACIFIC IMPACT MODIFIER MARKET OUTLOOK

- 5.1. Market Size & Forecast
 - 5.1.1. By Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Type
 - 5.2.2. By Host Polymer
 - 5.2.3. By End User
 - 5.2.4. By Country
- 5.3. Asia Pacific: Country Analysis
 - 5.3.1. China Impact Modifier Market Outlook
 - 5.3.1.1. Market Size & Forecast
 - 5.3.1.1.1. By Value
 - 5.3.1.2. Market Share & Forecast
 - 5.3.1.2.1. By Type
 - 5.3.1.2.2. By Host Polymer
 - 5.3.1.2.3. By End User
 - 5.3.2. India Impact Modifier Market Outlook
 - 5.3.2.1. Market Size & Forecast
 - 5.3.2.1.1. By Value
 - 5.3.2.2. Market Share & Forecast
 - 5.3.2.2.1. By Type
 - 5.3.2.2.2. By Host Polymer
 - 5.3.2.2.3. By End User
 - 5.3.3. Australia Impact Modifier Market Outlook
 - 5.3.3.1. Market Size & Forecast
 - 5.3.3.1.1. By Value
 - 5.3.3.2. Market Share & Forecast
 - 5.3.3.2.1. By Type
 - 5.3.3.2.2. By Host Polymer
 - 5.3.3.2.3. By End User
 - 5.3.4. Japan Impact Modifier Market Outlook
 - 5.3.4.1. Market Size & Forecast
 - 5.3.4.1.1. By Value

- 5.3.4.2. Market Share & Forecast
 - 5.3.4.2.1. By Type
 - 5.3.4.2.2. By Host Polymer
 - 5.3.4.2.3. By End User
- 5.3.5. South Korea Impact Modifier Market Outlook
 - 5.3.5.1. Market Size & Forecast
 - 5.3.5.1.1. By Value
 - 5.3.5.2. Market Share & Forecast
 - 5.3.5.2.1. By Type
 - 5.3.5.2.2. By Host Polymer
 - 5.3.5.2.3. By End User

6. EUROPE IMPACT MODIFIER MARKET OUTLOOK

- 6.1. Market Size & Forecast
 - 6.1.1. By Value
- 6.2. Market Share & Forecast
 - 6.2.1. By Type
 - 6.2.2. By Host Polymer
 - 6.2.3. By End User
 - 6.2.4. By Country
- 6.3. Europe: Country Analysis
 - 6.3.1. France Impact Modifier Market Outlook
 - 6.3.1.1. Market Size & Forecast
 - 6.3.1.1.1. By Value
 - 6.3.1.2. Market Share & Forecast
 - 6.3.1.2.1. By Type
 - 6.3.1.2.2. By Host Polymer
 - 6.3.1.2.3. By End User
 - 6.3.2. Germany Impact Modifier Market Outlook
 - 6.3.2.1. Market Size & Forecast
 - 6.3.2.1.1. By Value
 - 6.3.2.2. Market Share & Forecast
 - 6.3.2.2.1. By Type
 - 6.3.2.2.2. By Host Polymer
 - 6.3.2.2.3. By End User
 - 6.3.3. Spain Impact Modifier Market Outlook
 - 6.3.3.1. Market Size & Forecast
 - 6.3.3.1.1. By Value

- 6.3.3.2. Market Share & Forecast
 - 6.3.3.2.1. By Type
 - 6.3.3.2.2. By Host Polymer
 - 6.3.3.2.3. By End User
- 6.3.4. Italy Impact Modifier Market Outlook
 - 6.3.4.1. Market Size & Forecast
 - 6.3.4.1.1. By Value
 - 6.3.4.2. Market Share & Forecast
 - 6.3.4.2.1. By Type
 - 6.3.4.2.2. By Host Polymer
 - 6.3.4.2.3. By End User
- 6.3.5. United Kingdom Impact Modifier Market Outlook
 - 6.3.5.1. Market Size & Forecast
 - 6.3.5.1.1. By Value
 - 6.3.5.2. Market Share & Forecast
 - 6.3.5.2.1. By Type
 - 6.3.5.2.2. By Host Polymer
 - 6.3.5.2.3. By End User

7. NORTH AMERICA IMPACT MODIFIER MARKET OUTLOOK

- 7.1. Market Size & Forecast
 - 7.1.1. By Value
- 7.2. Market Share & Forecast
 - 7.2.1. By Type
 - 7.2.2. By Host Polymer
 - 7.2.3. By End User
 - 7.2.4. By Country
- 7.3. North America: Country Analysis
 - 7.3.1. United States Impact Modifier Market Outlook
 - 7.3.1.1. Market Size & Forecast
 - 7.3.1.1.1. By Value
 - 7.3.1.2. Market Share & Forecast
 - 7.3.1.2.1. By Type
 - 7.3.1.2.2. By Host Polymer
 - 7.3.1.2.3. By End User
 - 7.3.2. Mexico Impact Modifier Market Outlook
 - 7.3.2.1. Market Size & Forecast
 - 7.3.2.1.1. By Value

7.3.2.2. Market Share & Forecast

7.3.2.2.1. By Type

7.3.2.2.2. By Host Polymer

7.3.2.2.3. By End User

7.3.3. Canada Impact Modifier Market Outlook

7.3.3.1. Market Size & Forecast

7.3.3.1.1. By Value

7.3.3.2. Market Share & Forecast

7.3.3.2.1. By Type

7.3.3.2.2. By Host Polymer

7.3.3.2.3. By End User

8. SOUTH AMERICA IMPACT MODIFIER MARKET OUTLOOK

8.1. Market Size & Forecast

8.1.1. By Value

8.2. Market Share & Forecast

8.2.1. By Type

8.2.2. By Host Polymer

8.2.3. By End User

8.2.4. By Country

8.3. South America: Country Analysis

8.3.1. Brazil Impact Modifier Market Outlook

8.3.1.1. Market Size & Forecast

8.3.1.1.1. By Value

8.3.1.2. Market Share & Forecast

8.3.1.2.1. By Type

8.3.1.2.2. By Host Polymer

8.3.1.2.3. By End User

8.3.2. Argentina Impact Modifier Market Outlook

8.3.2.1. Market Size & Forecast

8.3.2.1.1. By Value

8.3.2.2. Market Share & Forecast

8.3.2.2.1. By Type

8.3.2.2.2. By Host Polymer

8.3.2.2.3. By End User

8.3.3. Colombia Impact Modifier Market Outlook

8.3.3.1. Market Size & Forecast

8.3.3.1.1. By Value

8.3.3.2. Market Share & Forecast

8.3.3.2.1. By Type

8.3.3.2.2. By Host Polymer

8.3.3.2.3. By End User

9. MIDDLE EAST AND AFRICA IMPACT MODIFIER MARKET OUTLOOK

9.1. Market Size & Forecast

9.1.1. By Value

9.2. Market Share & Forecast

9.2.1. By Type

9.2.2. By Host Polymer

9.2.3. By End User

9.2.4. By Country

9.3. MEA: Country Analysis

9.3.1. South Africa Impact Modifier Market Outlook

9.3.1.1. Market Size & Forecast

9.3.1.1.1. By Value

9.3.1.2. Market Share & Forecast

9.3.1.2.1. By Type

9.3.1.2.2. By Host Polymer

9.3.1.2.3. By End User

9.3.2. Saudi Arabia Impact Modifier Market Outlook

9.3.2.1. Market Size & Forecast

9.3.2.1.1. By Value

9.3.2.2. Market Share & Forecast

9.3.2.2.1. By Type

9.3.2.2.2. By Host Polymer

9.3.2.2.3. By End User

9.3.3. UAE Impact Modifier Market Outlook

9.3.3.1. Market Size & Forecast

9.3.3.1.1. By Value

9.3.3.2. Market Share & Forecast

9.3.3.2.1. By Type

9.3.3.2.2. By Host Polymer

9.3.3.2.3. By End User

10. MARKET DYNAMICS

- 10.1. Drivers
- 10.2. Challenges

11. MARKET TRENDS & DEVELOPMENTS

- 11.1. Recent Developments
- 11.2. Product Launches
- 11.3. Mergers & Acquisitions

12. GLOBAL IMPACT MODIFIER MARKET: SWOT ANALYSIS

13. PORTER'S FIVE FORCES ANALYSIS

- 13.1. Competition in the Industry
- 13.2. Potential of New Entrants
- 13.3. Power of Suppliers
- 13.4. Power of Customers
- 13.5. Threat of Substitute Product

14. COMPETITIVE LANDSCAPE

- 14.1. Addivant USA Holdings Corp.
 - 14.1.1. Business Overview
 - 14.1.2. Company Snapshot
 - 14.1.3. Products & Services
 - 14.1.4. Financials (In case of listed)
 - 14.1.5. Recent Developments
 - 14.1.6. SWOT Analysis
- 14.2. Akdeniz Kimya Sanayi Ve Ticaret A.S.
- 14.3. Arkema SA
- 14.4. Clariant AG
- 14.5. The Dow Chemical Company
- 14.6. Evonik Industries AG
- 14.7. Kaneka Americas Holding Inc.
- 14.8. Mitsubishi Chemical Corporation
- 14.9. Plastics Color Corporation
- 14.10. Shandong Ruifeng Chemical Co. Ltd

15. STRATEGIC RECOMMENDATIONS

16. ABOUT US & DISCLAIMER

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