

Polybutene-1 Market to Surpass US\$ 1,180 Million, Expanding at 7.5% CAGR by 2035: Fact.MR Analysis

Polybutene-1 Market sees steady growth driven by rising demand in piping, packaging, and sustainable infrastructure across global markets.

ROCKVILLE, MD, UNITED STATES, June 24, 2025 /EINPresswire.com/ -- The global [polybutene-1 \(PB-1\) market](#) is projected to reach USD 1,180 million by 2035, up from USD 510.6 million in 2025, growing at a CAGR of 7.5%, according to Fact.MR.



Growth in the PB-1 industry has been largely fueled by increasing demand from the packaging and construction sectors, where it is widely used in piping systems and food packaging films. The surge in urban infrastructure development and rising focus on sustainable packaging have supported steady market expansion. However, the market faces challenges such as high production costs and competition from lower-cost polymer alternatives, which limit PB-1 adoption in price-sensitive applications.

Looking ahead, the market is expected to gain momentum through technological advancements, favorable regulatory support, and robust infrastructure development, especially across the Asia-Pacific region, where urbanization and construction activity continue to rise.

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Polybutene-1 Industry Dynamics and Outlook

The polybutene-1 (PB-1) industry is witnessing steady growth, driven by its increasing use in urban infrastructure projects and eco-friendly packaging solutions. Known for its superior heat resistance, pressure tolerance, and sealing properties, PB-1 is becoming a preferred material across plumbing and packaging applications. However, its adoption remains limited in price-

sensitive markets due to higher production costs and competition from cheaper polymers. Despite these challenges, technological innovations and the global push for sustainable materials are opening up new growth avenues for the PB-1 market.

Infrastructure Growth and Urbanization Fueling Demand

The demand for PB-1 is particularly strong in the construction sector, where it is used in hot and cold water piping systems for residential and commercial buildings. Its chemical resistance and durability make it ideal for modern infrastructure, especially in densely populated urban areas. Rapid urbanization across Asia-Pacific and Europe, along with infrastructure upgrades in developed economies, continues to boost the use of PB-1. Additionally, retrofitting initiatives in mature markets further support market expansion, positioning PB-1 as a valuable material in next-generation infrastructure solutions.

Polybutene-1 Demand Analysis and Impact

The demand landscape for polybutene-1 (PB-1) is closely linked to the dynamics of its upstream supply chain, which includes raw material suppliers and polymer manufacturers. These upstream stakeholders play a critical role in determining the cost, quality, and scalability of PB-1 production. Key influencing factors include global oil price volatility, availability of feedstock—particularly butene-1, and advancements in polymerization technologies.

Manufacturers that can enhance process efficiency or shift toward bio-based production routes are better positioned to deliver cost-effective and sustainable PB-1 solutions. However, they face growing pressure to reduce carbon emissions and secure long-term, stable feedstock supplies amid rising energy market uncertainties.

The ability of these players to balance economic feasibility with environmental responsibility is expected to shape the future competitiveness of PB-1, influencing product innovation, market pricing, and the speed of adoption across construction, packaging, and industrial sectors.

Key Strategies

As the polybutene-1 (PB-1) market evolves, key stakeholder groups are adapting their strategies in response to competitive pressures, regulatory challenges, and technological advancements. Manufacturers, including major players like LyondellBasell and Borealis, are expanding production capacity and prioritizing product innovation to meet rising demand—particularly in emerging markets, where the packaging and construction sectors are driving PB-1 adoption.

Geographic expansion into developing economies is a core focus, along with R&D investments aimed at improving process efficiency and developing bio-based derivatives. These initiatives align with growing regulatory mandates and consumer preferences for sustainable materials, making environmentally responsible production a key competitive advantage.

On the investment front, venture capital and private equity firms are actively targeting PB-1 producers like Braskem and Reliance Industries, which are transitioning toward renewable and bio-based PB-1 manufacturing. By supporting innovation and sustainability, investors are not only positioning themselves for long-term growth but also hedging against volatility in petrochemical prices and increasing environmental scrutiny.

Overall, the PB-1 industry is moving toward a more sustainable and diversified future, driven by technological innovation, global expansion, and a clear focus on green chemistry.

Key Players

LyondellBasell
INEOS
Braskem
Borealis AG
Reliance Industries
SABIC
ExxonMobil Chemical
Chevron Phillips Chemical
LG Chem
The Dow Chemical Company
Mitsui Chemicals
Sinopec
Formosa Plastics Corporation
Haldia Petrochemicals
TotalEnergies

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Key Polybutene-1 Industry Segmentation and Study across Changing Consumer Preferences

By Product Type :

Homo PB-1

Random PB-1

By Processing Technique :

Extrusion

Extrusion blow molding

Injection molding

By Application :

Packaging

Film modification

Polyolefin modification
Piping System
Electric domestic heater
Hot melt adhesives
By Region :
North America
Latin America
Europe
East Asia
South Asia and Oceania
Middle East and Africa (MEA)

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The global [chloroacetic acid market](#) is projected to reach USD 3,416 million by 2035, up from USD 1,854 million in 2024, growing at a CAGR of 6.0% during 2025–2035.

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