

## **Polyisobutylene (PIB) - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2026 - 2031)**

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### **Report description:**

Polyisobutylene (PIB) Market Analysis

Polyisobutylene Market size in 2026 is estimated at 1.12 million tons, growing from 2025 value of 1.08 million tons with 2031 projections showing 1.32 million tons, growing at 3.35% CAGR over 2026-2031. Demand continues to coalesce around high-performance lubricant additives, adhesive systems, and tubeless tire compounds, all of which rely on the polymer's inherent gas impermeability, thermal stability, and chemical inertness. Intensifying electrification of vehicles is widening the performance envelope for engine oils, driveline fluids, and battery-coolant formulations, deepening the need for viscosity-modifying grades of polyisobutylene. At the same time, regulatory pressure on volatile organic compound emissions in construction materials is steering sealant producers toward PIB-based solutions that offer compliance without reformulation trade-offs. Capacity expansions in Asia-Pacific, especially integrated projects in China and India, are expected to relieve localized supply tightness while reinforcing the region's cost advantage in the global polyisobutylene market.

Global Polyisobutylene (PIB) Market Trends and Insights

Growing Demand from Adhesives and Sealants

Robust construction activity and vehicle-lightweighting programs continue to push formulators toward PIB-based bonding systems that eliminate isocyanates and other volatile components. New European Union restrictions on diisocyanate content above 0.1% have accelerated the move to non-PU structural adhesives, with PIB chemistries now favored for their low toxicity profile and

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excellent wet-out on diverse substrates. PIB sealants also provide lasting weather resistance, making them attractive for curtain-wall glazing, rooftop membranes and photovoltaic mounting systems. Growth prospects are underpinned by sustainability targets that penalize solvent-borne alternatives, reinforcing the trajectory of the polyisobutylene market toward eco-compliant materials.

#### Rising Demand for Inner-Liner and Tubeless Tire Compounds

Tubeless passenger-car and commercial-vehicle tires rely on isobutylene-isoprene rubber derived from PIB to maintain inflation pressure over the service life of the tire. Electric-vehicle platforms intensify this requirement by targeting lower rolling resistance and augmented safety, which in turn lifts polymer grade demand in Asia-Pacific's tire manufacturing clusters. Chemically modified PIBs such as chlorobutyl and bromobutyl extend co-vulcanization capability while preserving low gas permeability, sustaining a strong pull for premium, performance-oriented grades in the polyisobutylene market.

#### Intrinsic UV Instability Requiring Costly Stabilizers

Without antioxidants and UV absorbers, PIB undergoes surface cracking and discoloration when exposed to sunlight. Outdoor applications therefore impose additional additive packages, raising formulation costs relative to inherently UV-stable alternatives. Advances in hindered-amine light stabilizers have trimmed treat-rates, but cost sensitivity in roofing membranes and exterior sealants still limits adoption in certain price-constrained regions.

Other drivers and restraints analyzed in the detailed report include:

Expanding Use as Viscosity Modifier in Next-Gen Lubricants  
Shift Toward Highly-Reactive PIB for Fuel and Lube Additives  
Tightening VOC/REACH Rules on Solvent-Borne PIB Products

For complete list of drivers and restraints, kindly check the Table Of Contents.

#### Segment Analysis

Lubricants represented 43.72% of the polyisobutylene market size in 2025 while advancing at 3.66% CAGR through 2031 as multi-grade engine oils, driveline fluids and hydraulic oils intensify reliance on viscosity-index improvers. PIB's thickening efficiency, low-temperature solvency, and shear-stability underpin its continued dominance despite competing olefin copolymers. Fuel additives form a smaller yet strategic niche where PIB succinimides act as detergents, safeguarding high-pressure fuel-injector cleanliness in both spark-ignition and compression-ignition engines.

The broader application slate keeps the polyisobutylene market insulated from single-sector cyclicity. Adhesives and sealants gain momentum from green-building codes favoring low-VOC materials, with PIB sealants displaying negligible moisture migration that extends the service life of insulating-glass units. Inner-liner compounds for tubeless and run-flat tires remain robust thanks to safety regulations and growing electric-vehicle (EV) volumes. Plasticizer, electrical-insulation, and specialty-chemical outlets provide incremental tonnage that rounds out demand, making lubricants the lodestar while diversifying risk exposure for global suppliers.

The Polyisobutylene Report is Segmented by Application (Tire Tubes, Adhesive and Sealants, Lubricants, Plasticizers, Fuel Additives, and More), End-Use Industry (Automotive and Transportation, Industrial Machinery, Construction and Building Materials, Food/Pharma/Personal-Care, and Electrical and Electronics), and Geography (Asia-Pacific, North America, Europe, South America, and Middle-East and Africa).

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## Geography Analysis

Asia-Pacific accounted for 39.20% of polyisobutylene market share in 2025 and is expanding at a 3.98% CAGR to 2031 on the back of capacity additions and relentless growth in downstream tire, lubricant and adhesive industries. China anchors regional demand through its status as the world's largest vehicle producer and a front-runner in battery manufacturing. India is quickly narrowing the gap; Lubrizol's USD 200 million Aurangabad plant will deliver medical-grade and performance-chemical PIB variants once completed, demonstrating the draw of local market growth as well as export potential into the Middle East and Africa.

North America houses integrated C4 complex operators and benefits from shale-derived feedstock economics. PIB produced in the U.S. Gulf Coast supplies automotive hubs in the Midwest and Mexico, while specialty grades serve lubricant blenders on both coasts. Europe remains technology-focused, channeling PIB into high-value adhesives, dispersants, and HR-PIB derivatives that comply with REACH. Legislative mandates for lower VOC and carbon footprints are nudging formulators toward highly functional PIB chemistries that can reduce overall additive treat rates.

South America, the Middle East and Africa collectively absorb a modest yet rising share of polyisobutylene market volume. Latin American tire producers and construction sectors stimulate regional pull, whereas the Gulf Cooperation Council pursues PIB projects aimed at integrating refinery streams with specialty-chemical value addition. Africa's nascent industrialization and automotive assembly investments are expected to open new PIB sales corridors as infrastructure modernization accelerates through 2030.

### List of Companies Covered in this Report:

AO GC Titan BASF Braskem Chevron Oronite LLC Daelim Co., Ltd Dowpol Corporation ENEOS Corporation Infineum International Limited INOES Kemipex Lubrizol Corporation TPC Group Zhejiang Shunda New Material Co.

### Additional Benefits:

The market estimate (ME) sheet in Excel format  
3 months of analyst support

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