

Polyphenylene Market CAGR to be at 9.5% from 2025 to 2029 | \$7.45 Billion Industry Revenue by 2029

*The Business Research Company's
Polyphenylene Global Market Report
2025 – Market Size, Trends, And Global
Forecast 2025-2034*

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KINGDOM, November 20, 2025
/EINPresswire.com/ -- What Is The
Projected Market Size & [Growth Rate
Of The Polyphenylene Market?](#)

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In recent times, the polyphenylene market has experienced robust growth. A projection places the value of this market at \$4.81 billion in 2024 and predicts it will climb to \$5.18 billion in 2025, marking a compound annual growth rate (CAGR) of 7.6%. The significant growth during the

historic period can be tied to the need for materials with chemical resistance, breakthroughs in polymer chemistry, the replacement of conventional materials, the expansion of the electronics and electrical sectors, a rising demand for lightweight materials, the broadening operations in chemical processing, and investments directed towards research and development.

In the ensuing years, strong expansion is anticipated in the polyphenylene market, which is predicted to reach \$7.45 billion in the year 2029, with a CAGR of 9.5%. This growth

during the forecast period is due to the rise of specialized applications, advancements in the processing of polymers, a surge in demand for medical devices, an increase in renewable energy, expansion of applications in the aerospace sector, development of bio-based polyphenylene, and usage in water treatment systems. Significant trends during this forecast timeframe include technological upgrades in manufacturing processes, a focus on flame resistivity, pivotal collaborations and partnerships, and a shift towards high-performance grades.

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What Is The Crucial Factor [Driving The Global Polyphenylene Market?](#)

The push to substitute traditional materials is anticipated to spur the expansion of the polyphenylene market. These traditional materials include plastics such as polyethylene and polyvinyl chloride. Polyphenylene polymers, which are biodegradable, are being viewed as alternatives to these traditional materials. For example, a 2022 PLOS survey—a US-based non-profit that publishes studies related to science, technology, and medicine—disclosed that 42% of individuals aimed to lessen their plastic usage in everyday life. The study also found that 95% of participants believed bioplastics should wholly or partially supplant conventional plastics. As a result, this drive to substitute traditional materials is fueling the polyphenylene market's growth.

Who Are The Emerging Players In The Polyphenylene Market?

Major players in the Polyphenylene include:

- Toray Industries Inc.
- Solvay SA
- Tosoh Corporation
- DIC Corporation
- Kureha Corporation
- LG Chem
- Celanese Corporation
- Saudi Arabia Basic Industries Corporation
- China Lumena New Materials Corporation
- Ensinger Group

What Are The [Key Trends Shaping The Polyphenylene Industry?](#)

One notable trend gaining traction in the polyphenylene market is the emphasis on product innovations. Dominant companies in the polyphenylene industry are concentrating on the creation of innovative product solutions to enhance their market stance. Take, for example, the Saudi Arabia-based company, Saudi Basic Industries Corporation (SABIC), who in July 2022, introduced a new resin called NORYL NHP8000VT3. This resin, utilized for insulation films in EV battery modules, is based on polyphenylene ether (PPO). What sets NORYL NHP8000VT3 apart is its capacity to meet the UL94 V0 standard at just 0.25 mm and offers distinctive attributes like superior flame retardance at a thinner film measure.

What Segments Are Covered In The Polyphenylene Market Report?

The polyphenylenemarket covered in this report is segmented –

- 1) By Type: Polyphenylene Sulfide(PPS), Polyphenylene Ether Or Oxide(PPE Or PPO), Other Types
- 2) By Application: Composites, Engineering Plastics, High Performance Lubricants, Filter Bags, Other Applications

3) By End-Use Industry: Automotive, Electrical And Electronics, Industrial, Coatings, Other End-Use Industries

Subsegments:

- 1) By Polyphenylene Sulfide (PPS): Unfilled PPS, Filled PPS
- 2) By Polyphenylene Ether Or Oxide: PPO Resins, PPE Resins, Blends And Compounds
- 3) By Other Types: Polyphenylene (PP), Polyphenylene Imide (PPI), Polyphenylene Vinylene (PPV)

View the full polyphenylene market report:

<https://www.thebusinessresearchcompany.com/report/polyphenylene-global-market-report>

Which Region Is Projected To Hold The Largest Market Share In The Global Polyphenylene Market?

In 2024, Asia-Pacific held the largest share in the polyphenylene market, and it is anticipated to register the highest growth during the projected period. The polyphenylene market report encompasses regions including Asia-Pacific, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa.

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