

Demand for High Density Polyethylene Pipe Market is forecasted to reach a value of US \$31.46 billion by 2029

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How Large Will The High Density Polyethylene Pipe Market Be By 2025?

Over recent years, the market size for high density polyethylene (HDPE) pipes has seen

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It will grow to \$31.47 billion in 2029 at a compound annual growth rate (CAGR) of 6.8%.”

*The Business Research
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substantial growth. The market, which is currently valued at \$22.60 billion will increase to \$24.22 billion in 2025, exhibiting a compound annual growth rate (CAGR) of 7.1%. Factors contributing to this historic growth include an escalating demand for irrigation facilities in the agriculture industry, the expansion of municipal water structures due to urbanization, and enhanced understanding of the advantages in corrosion resistance over metal pipes. Additionally, government-funded rural water supply

projects and infrastructure development in evolving economic regions have further fuelled this expansion.

Expectations are high for the high density polyethylene (HDPE) pipe market, with forecasts predicting impressive growth in the coming years. The market's value is projected to reach \$31.47 billion by 2029, rising at a compound annual growth rate (CAGR) of 6.8%. This anticipated growth can largely be ascribed to increased funding for smart city projects, enhanced focus on eco-friendly water management, escalating construction activity within both commercial and residential sectors, an uptick in the demand for sewer and stormwater drainage systems, and expansion in oil and gas transmission activities. The period under forecast will be marked by

technological breakthroughs in extrusion processes, the development of ultraviolet-resistant high-density polyethylene pipes, the integration of internet of things in HDPE pipeline monitoring, innovative flexible pipe designs for earthquake-prone areas, and novel developments in color-coding for underground utilities.

Download a free sample of the high density polyethylene pipe market report:

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What Are The Major Driving Forces Influencing The High Density Polyethylene Pipe Market Landscape?

The upward trend in infrastructure development is likely to boost the high-density polyethylene pipe market's expansion. In this context, infrastructure development entails the design, establishment, and upkeep of critical physical structures like transportation, energy, water, and communication systems. Urban development, which is on an upward trajectory, is mainly responsible for this increase in infrastructure development. Expanding cities necessitate better transportation, water supply and housing facilities to accommodate growing populations. High-density polyethylene pipes cater to infrastructural growth by providing lightweight, durable and corrosion-resistant solutions, making them perfect for water, gas and sewage systems. They guarantee long-lasting performance with scarce maintenance, thereby enhancing the dependability and efficiency of utility networks. The government department, Office for National Statistics in the UK, reported in July 2024, that the total general government investment in infrastructure surged to \$17.25 billion (£13.8 billion) in 2023, reflecting a 3.9% increase from 2022. Thus, the surge in infrastructure development is fueling the expansion of the high-density polyethylene pipe market.

Who Are The Top Players In The High Density Polyethylene Pipe Market?

Major players in the High Density Polyethylene Pipe Global Market Report 2025 include:

- Dow Inc.
- LyondellBasell Industries N.V.
- Braskem S.A.
- Formosa Plastics Corporation
- Chevron Phillips Chemical Company LLC
- Aliaxis Group S.A.
- JM Eagle Inc.
- Supreme Industries Limited
- Pipelife International GmbH
- Astral Limited

What Are Some Emerging Trends In The High Density Polyethylene Pipe Market?

In the high density polyethylene (HDPE) pipe market, leading companies are concentrating their efforts on the creation of sophisticated piping solutions like conductive double-wall piping systems as a means to bolster safety and longevity in underground electric and communication

infrastructure. Using an interior conductive layer, these specific high-density polyethylene pipes aid in the effortless detection and tracking, delivering improved security for subterranean utility setup. KPS Piping Systems, a firm centered in Sweden, introduced three conductive HDPE double-wall piping systems in October 2024 as an example. The aforementioned systems employ a co-extruded conductive liner and built-in leak monitors between the walls, warranting a safe environment and conformity to environmental standards. All these systems encompass a primary containment pipe of 90mm within a secondary containment pipe of 110mm, offered added safeguarding and made interstitial examination feasible. The inclusion of a zero-permeation EVOH layer assures the secure transit of fuels and chemicals, concurrently, the presence of electrofusion-welded fragments eliminates the necessity for butt welds, making for an easier installation process, reducing expenses, and decreasing the construction timeline.

Market Share And Forecast By Segment In The Global High Density Polyethylene Pipe Market
The high density polyethylene pipe market covered in this report is segmented –

- 1) By Type: Polyethylene 63, Polyethylene 80, Polyethylene 100
- 2) By Diameter: Small (Up to 225 mm), Medium (225–500 mm), Large (Above 500 mm)
- 3) By Application: Agricultural Irrigation Pipe, Water Supply Pipe, Oil And Gas Pipe, Sewage System Pipe, Other Applications
- 4) By End-User: Residential, Commercial, Industrial

Subsegments:

- 1) By Polyethylene 63: Low-Pressure Water Distribution, Agricultural Irrigation Systems, Cable Protection Pipes, Temporary Water Supply Lines
- 2) By Polyethylene 80: Medium-Pressure Water Supply, Gas Distribution Networks, Industrial Pipeline Systems, Municipal Water Pipelines
- 3) By Polyethylene 100: High-Pressure Water Transmission, Sewage And Wastewater Systems, Oil And Gas Transportation, Mining And Slurry Lines, Firefighting Pipeline Systems

View the full high density polyethylene pipe market report:

<https://www.thebusinessresearchcompany.com/report/high-density-polyethylene-pipe-global-market-report>

High Density Polyethylene Pipe Market Regional Insights

In the High Density Polyethylene Pipe Global Market Report 2025, North America is identified as the prevailing region for the year 2024. It is projected that the fastest-growing region will be Asia-Pacific within the forecast period. The report encompasses regions such as Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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Speak With Our Expert:

Saumya Sahay

Americas +1 310-496-7795

Asia +44 7882 955267 & +91 8897263534

Europe +44 7882 955267

Email: saumyas@tbrc.info

The Business Research Company - www.thebusinessresearchcompany.com

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Oliver Guirdham

The Business Research Company

+44 7882 955267

info@tbrc.info

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