

United States Plastic Pipes Market Segmented by Type (Polyvinyl Chloride Pipes, Polyethylene Pipes, Polypropylene Pipes), End Use (Residential, Commercial, Industrial, Infrastructure), By Diameter (<50mm, 50-100mm, 100-200mm, 200-400mm, 400-700mm, >700mm), By Region, Competition Forecast & Opportunities, 2018-2028

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Report description:

The United States Plastic Pipes Market, valued at USD 12.6 billion in 2022, is expected to experience robust growth throughout the forecast period, with a projected Compound Annual Growth Rate (CAGR) of 3.6% through 2028. This growth is underpinned by several key drivers and trends shaping the market landscape.

Key Market Drivers

Growing Number of New Construction Projects: New construction projects, spanning residential, commercial, and industrial sectors, are driving the demand for reliable and efficient infrastructure systems, including water supply, drainage, heating, and cooling. Plastic pipes are crucial components of these systems, aligning with the evolving needs of construction projects, making them the preferred choice for builders, contractors, and developers.

Infrastructure Development and Utility Networks: The demand for plastic pipes is closely tied to infrastructure development, including water supply, sanitation, energy distribution, transportation, and more. Plastic pipes serve as essential conduits for these services, addressing the need for dependable utility networks in expanding communities. This demand is further driven by factors such as water supply expansion, efficient sewage systems, and the growth of natural gas distribution networks.

Environmental Concerns and Sustainability: The plastic industry faces increasing scrutiny due to environmental concerns related to plastic waste and microplastics. The challenge for the plastic pipes market is to address these concerns through sustainable practices, including the use of recycled materials and biodegradable plastics. Achieving a balance between the benefits of plastic and its environmental impact is essential.

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Key Market Trends

Technological Advancements and Innovation: Technological advancements are reshaping the United States Plastic Pipes Market. Manufacturers are embracing innovations in materials, production techniques, and design to create pipes that are more durable, efficient, and versatile. These innovations encompass advanced joining methods, smart pipe systems with monitoring capabilities, and corrosion-resistant coatings, among others.

Adoption of Alternative Plastic Types: While traditional plastics like PVC and HDPE remain dominant, there is a growing interest in alternative plastic types, including bio-based plastics sourced from renewable materials. These alternatives have the potential to reduce reliance on fossil fuels and decrease environmental impact.

Infrastructure Modernization and Replacement: A significant portion of the United States infrastructure is aging and requires modernization or replacement. Plastic pipes are favored for these projects due to their ease of installation, durability, and adaptability to new technologies. This trend provides a consistent source of demand for plastic pipes.

Resilience and Adaptation to Climate Change: The increasing frequency and severity of climate-related events drive the need for more resilient infrastructure. Plastic pipes are being designed to withstand extreme conditions and minimize disruptions during such events. This aligns with the broader emphasis on creating infrastructure that can adapt to changing climatic conditions and enhance community resilience.

Segmental Insights

End User (Residential Sector): The residential sector is a significant and dynamic segment within the United States Plastic Pipes Market. Plastic pipes play a vital role in providing essential services such as water supply, drainage, heating, and gas distribution in residential buildings. Their versatility, durability, and cost-effectiveness make plastic pipes a preferred choice for both new construction projects and renovations.

Type (PVC Pipes): As of 2022, PVC (Polyvinyl Chloride) pipes dominate the United States Plastic Pipes Market. These pipes find extensive use in various applications, including water supply, drainage, sewage systems, and electrical conduit systems, owing to their versatility, affordability, and corrosion resistance.

Regional Insights

Northeast Region Leadership: The Northeast region has emerged as the leader in the United States Plastic Pipes Market, with a significant revenue share in 2022. Encompassing states such as New York, New Jersey, Pennsylvania, and Massachusetts, this densely populated region includes major urban centers. The demand for plastic pipes in the Northeast is driven by infrastructure development, replacement projects, and urban renewal initiatives, addressing the aging infrastructure's need for utility network upgrades, including water supply, drainage, and sewage systems.

In conclusion, the United States Plastic Pipes Market is poised for substantial growth driven by construction projects, infrastructure development, sustainability imperatives, technological advancements, and the need for resilient infrastructure. As the industry adapts to evolving challenges and opportunities, it has the potential to contribute to more sustainable, efficient, and resilient built environments, meeting the needs of present and future generations.

Key Market Players

- o JM Eagle
- o North American Pipe Corporation.
- o Charlotte Pipe and Foundry.
- o Uponor
- o Wavin USA
- o ISCO Industries
- o Dura Line
- o Prinsco

Report Scope:

In this report, the United States Plastic Pipes Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

- United States Plastic Pipes Market, By Type:
 - o Polyvinyl Chloride Pipes

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- o Polyethylene Pipes
- o Polypropylene Pipes
- United States Plastic Pipes Market, By End User:
 - o Residential
 - o Commercial
 - o Industrial
 - o Infrastructure
- United States Plastic Pipes Market, By Diameter:
 - o 50mm
 - o 50-100mm
 - o 100-200mm
 - o 200-400mm
 - o 400-700mm
 - o >700mm
- United States Plastic Pipes Market, By Region:
 - o West
 - o Midwest
 - o Northeast
 - o South

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the United States Plastic Pipes Market.

Available Customizations:

United States Plastic Pipes Market report with the given market data, Tech Sci 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).

Table of 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
4. Voice of Customer
5. United States Plastic Pipes Market Outlook
 - 5.1. Market Size & Forecast
 - 5.1.1. By Value

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- 5.2.□Market Share & Forecast
 - 5.2.1.□By Type (Polyvinyl Chloride Pipes, Polyethylene Pipes, Polypropylene Pipes)
 - 5.2.2.□By End Use (Residential, Commercial, Industrial, Infrastructure)
 - 5.2.3.□By Diameter (<50mm, 50-100mm, 100-200mm, 200-400mm, 400-700mm, >700mm)
 - 5.2.4.□By Region
- 5.3.□By Company (2022)
- 5.4.□Market Map
- 6.□West United States Plastic Pipes 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 End Use
 - 6.2.3.□By Diameter
- 7.□Midwest United States Plastic Pipes 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 End Use
 - 7.2.3.□By Diameter
- 8.□Northeast United States Plastic Pipes 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 End Use
 - 8.2.3.□By Diameter
- 9.□South United States Plastic Pipes 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 End Use
 - 9.2.3.□By Diameter
- 10.□Market Dynamics
 - 10.1.□Drivers
 - 10.2.□Challenges
- 11.□Market Trends and Developments
- 12.□Policy & Regulatory Framework
- 13.□United States Economic Profile
- 14.□Company Profiles
 - 14.1.□M Eagle
 - 14.1.1.□Business Overview
 - 14.1.2.□Key Revenue and Financials
 - 14.1.3.□Recent Developments
 - 14.1.4.□Key Personnel

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- 14.1.5.□Key Product/Services
- 14.2.□North American Pipe Corporation.
 - 14.2.1.□Business Overview
 - 14.2.2.□Key Revenue and Financials
 - 14.2.3.□Recent Developments
 - 14.2.4.□Key Personnel
 - 14.2.5.□Key Product/Services
- 14.3.□Charlotte Pipe and Foundry.
 - 14.3.1.□Business Overview
 - 14.3.2.□Key Revenue and Financials
 - 14.3.3.□Recent Developments
 - 14.3.4.□Key Personnel
 - 14.3.5.□Key Product/Services
- 14.4.□Uponor
 - 14.4.1.□Business Overview
 - 14.4.2.□Key Revenue and Financials
 - 14.4.3.□Recent Developments
 - 14.4.4.□Key Personnel
 - 14.4.5.□Key Product/Services
- 14.5.□Wavin USA
 - 14.5.1.□Business Overview
 - 14.5.2.□Key Revenue and Financials
 - 14.5.3.□Recent Developments
 - 14.5.4.□Key Personnel
 - 14.5.5.□Key Product/Services
- 14.6.□Advanced Drainage Systems (ADS)
 - 14.6.1.□Business Overview
 - 14.6.2.□Key Revenue and Financials
 - 14.6.3.□Recent Developments
 - 14.6.4.□Key Personnel
 - 14.6.5.□Key Product/Services
- 14.7.□ISCO Industries
 - 14.7.1.□Business Overview
 - 14.7.2.□Key Revenue and Financials
 - 14.7.3.□Recent Developments
 - 14.7.4.□Key Personnel
 - 14.7.5.□Key Product/Services
- 14.8.□Dura Line
 - 14.8.1.□Business Overview
 - 14.8.2.□Key Revenue and Financials
 - 14.8.3.□Recent Developments
 - 14.8.4.□Key Personnel
 - 14.8.5.□Key Product/Services
- 14.9.□Prinsco
 - 14.9.1.□Business Overview
 - 14.9.2.□Key Revenue and Financials
 - 14.9.3.□Recent Developments

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- 14.9.4.□Key Personnel
- 14.9.5.□Key Product/Services
- 15.□Strategic Recommendations
- 16.□About Us & Disclaimer

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