

# **South & Central America Plastic Pipes Market Forecast to 2031- Regional Analysis- by Type [Corrugated (Single-Wall and Multi-Wall) and Smooth wall], Material Type (Polyvinyl Chloride, High-Density Polyethylene, Polypropylene, and Others), Application (Water Supply, Sewage and Drainage, Irrigation, Gas Distribution, and Others), and End-Use Industry (Construction and Infrastructure, Water and Wastewater Management, Oil and Gas, and Others)**

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## **Abstracts**

The South & Central America plastic pipes market was valued at US\$ 2,479.15 million in 2023 and is projected to reach US\$ 3,641.81 million by 2031; it is anticipated to register a CAGR of 4.9% from 2023 to 2031.

**Innovations in Plastic Pipe Formulation and Production Processes Fuel South & Central America Plastic Pipes Market**

The plastic pipes market is witnessing several innovations in plastic formulations and production processes. These advancements are aimed at improving the performance, sustainability, and cost-efficiency of plastic pipes. The recent developments in technology and material science have paved the way for nanotechnology, integration of smart sensors, and additive manufacturing in the plastic pipes market. The integration of nanotechnology in plastic pipe manufacturing involves the utilization of nanocomposites for the improvement of the mechanical properties of materials. Researches are aimed at exploring the potential for incorporating nanomaterials in PVC pipes to improve their properties while preserving their inherent characteristics. This

application of nanotechnology represents advancement as it addresses critical performance aspects of plastic pipes and diversifies their applications.

The integration of smart sensors in plastic pipes enables real-time monitoring and facilitates continuous data collection on major factors such as pressure and flow rates within the pipes. The advanced data analytics platforms utilized for real-time information provide data insights, thereby aiding in predictive maintenance strategies. The integration of smart sensors also helps in improving the overall efficiency of piping systems by minimizing the risk of operational failures through data analysis. The adoption of additive manufacturing in the plastic pipe industry offers the capability to produce custom pipes with unprecedented precision and intricate designs. The incorporation of additives and UV stabilizers in pipe formulations can improve their properties and enhance pipe resilience in extreme weather conditions. Adding UV stabilizers to pipes enhances their structural integrity under varying weather stresses. Thus, innovations in pipe formulations and production processes are expected to create lucrative opportunities in the plastic pipes market during the forecast period.

### South & Central America Plastic Pipes Market Overview

According to a report by the International Trade Administration, in 2022, the Ministry of Finance and the banking system in Brazil issued credit lines for the construction of ~530,000 new residential units. According to data from the National Sanitation Information System, Brazil collected an average of 55.8% of the wastewater produced in the country, of which only 51.2% was treated. Furthermore, the growing awareness of environmental sustainability and stringent regulations governing water quality have spurred the development of wastewater management facilities. Thus, the advancements in various industries in Brazil drive the plastic pipes market growth.

### South & Central America Plastic Pipes Market Revenue and Forecast to 2031 (US\$ Million)

### South & Central America Plastic Pipes Market Segmentation

The South & Central America plastic pipes market is categorized into type, material type, application, end-use industry, and country.

Based on type, the South & Central America plastic pipes market is bifurcated into corrugated and smooth wall. The smooth wall segment held a larger market share in 2023.

By material type, the South & Central America plastic pipes market is divided into polyvinyl chloride, high-density polyethylene, polypropylene, and others. The polyvinyl chloride segment held the largest market share in 2023.

In the terms of application, the South & Central America plastic pipes market is segmented into water supply, sewage and drainage, irrigation, gas distribution, and others. The water supply segment held the largest market share in 2023.

Based on end-use industry, the South & Central America plastic pipes market is segmented into construction and infrastructure, water and wastewater management, oil and gas, and others. The construction and infrastructure segment held the largest market share in 2023.

By country, the South & Central America plastic pipes market is segmented into Brazil, Argentina, and the Rest of South & Central America. Brazil dominated the South & Central America plastic pipes market share in 2023.

Aliaxis Holdings SA, Georg Fischer Ltd, Advanced Drainage Systems Inc, Reboca, and Sekisui Chemical Co Ltd are some of the leading companies operating in the South & Central America plastic pipes market.

#### Reason to buy

Save and reduce time carrying out entry-level research by identifying the growth, size, leading players, and segments in the South & Central America plastic pipes market.

Highlights key business priorities in order to assist companies to realign their business strategies.

The key findings and recommendations highlight crucial progressive industry trends in the South & Central America plastic pipes market, thereby allowing players across the value chain to develop effective long-term strategies.

Develop/modify business expansion plans by using substantial growth offering developed and emerging markets.

Scrutinize in-depth South & Central America market trends and outlook coupled

with the factors driving the South & Central America plastic pipes market, as well as those hindering it.

Enhance the decision-making process by understanding the strategies that underpin commercial interest with respect to client products, segmentation, pricing, and distribution.

### The List of Companies - South & Central America Plastic Pipes Market

Aliaxis Holdings SA

Georg Fischer Ltd

Advanced Drainage Systems Inc

Reboca

Sekisui Chemical Co Ltd

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