

Southeast Asia Plastic Pipe Market Size, Share & Trends Analysis Report By Material (Polyvinyl Chloride (PVC), Polypropylene (PP), Polyethylene (PE)), By Application (Irrigation, Water Supply), By End-use (Infrastructure), By Country, And Segment Forecasts, 2025 - 2030

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Abstracts

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Southeast Asia Plastic Pipe Market Growth & Trends

The Southeast Asia plastic pipe market size is anticipated to reach USD 19.72 billion by 2030 and is anticipated to grow at a CAGR of 14.3% from 2025 to 2030, according to a new report by Grand View Research, Inc. Southeast Asia is witnessing accelerated urbanization, particularly in countries such as Indonesia, Vietnam, Thailand, and the Philippines. The rising population in urban areas is driving the demand for improved water supply, sanitation, and drainage systems, which are key applications of plastic pipes. Governments in the region are heavily investing in infrastructure projects such as smart cities, metro systems, and water management facilities. For example, Indonesia's National Medium-Term Development Plan (RPJMN) and Vietnam's urban water supply and sanitation projects have significantly boosted the demand for durable and cost-effective plastic pipes.

Agriculture remains a significant contributor to the economies of Southeast Asian countries, particularly in nations such as Thailand, Vietnam, and Indonesia. The growing need for efficient water management and irrigation systems is propelling the demand for plastic pipes, particularly HDPE and PVC pipes. Governments are encouraging modern

Irrigation techniques such as drip and sprinkler irrigation enhance crop yield and water efficiency. Plastic pipes are preferred in these applications due to their lightweight, durability, and resistance to chemical corrosion. Additionally, with climate change affecting water availability, farmers are increasingly adopting water-efficient systems, further driving the demand for plastic pipes in the agriculture sector.

Government policies promoting sustainable infrastructure development and water management have played a pivotal role in driving the plastic pipe market. Several Southeast Asian countries have initiated programs to improve water supply networks and sewage systems, contributing to the increased use of plastic pipes. For example, the Philippines' "Build, Build, Build" program, which focuses on enhancing water infrastructure and sanitation facilities, has significantly increased the demand for plastic piping systems. Similarly, Thailand's 20-Year Water Management Master Plan promotes sustainable water management, creating opportunities for PVC and HDPE pipe manufacturers. Moreover, policies aimed at reducing non-revenue water (NRW) losses in water distribution systems have driven the replacement of older metal pipes with modern plastic alternatives.

Southeast Asia Plastic Pipe Market Report Highlights

Based on material, the polyvinyl chloride (PVC) segment accounted for the largest revenue share of over 55.0% in 2024 and is expected to grow at the fastest CAGR of 14.5% during the forecast period.

Based on application, the irrigation segment held the largest revenue share of more than 42.0% of the total revenue in 2024.

The water supply segment is expected to grow at the fastest compound annual growth rate (CAGR) of 15.6% during the forecast period.

Based on end use, the infrastructure segment held the largest revenue share of the market, accounting for over 67.0% in 2024.

The industrial segment is expected to grow at the fastest compound annual growth rate (CAGR) of 14.4% during the forecast period.

Based on country, Indonesia dominated the market by registering a revenue share of over 42.0% in 2024.

Vietnam is anticipated to grow at the fastest CAGR of 15.8% during the forecast period.

In September 2024, Resintech Berhad, a manufacturer of plastic pipes and fittings, announced a joint venture (JV) with SEDC Energy Sdn Bhd, a subsidiary of Sarawak Economic Development Corp. This partnership aims to trade industrial plastic products in Sarawak, enhancing Resintech's trading capabilities and tapping into the state's growing industrial market.

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