

Global Polyvinyl Chloride (PVC) Market Outlook to 2027

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Abstracts

Polyvinyl Chloride is a naturally white and brittle synthetic thermoplastic material made by polymerizing vinyl chloride. According to BlueQuark Research & Consulting, the global Polyvinyl Chloride market is expected to witness a significant growth rate during the forecast period. The Construction Industry drives the increasing demand for Polyvinyl Chloride due to its excellent abrasion resistance, lightweight, good mechanical strength, and toughness. The increasing demand for Polyvinyl Chloride in the Medical and Automotive Industry is expected to propel the future PVC market. However, high fluctuation in raw material prices of polyvinyl chloride is likely to obstruct the Polyvinyl Chloride Market's growth.

With the introduction of Bio-based PVC made from renewable feedstock derived from biomass and certified by the Roundtable on Sustainable Biomaterials (RSB), it enables to save 90% of the greenhouse gas compared to conventionally produced PVC.

The construction & building industry is the fastest-growing sector in the world. The increasing population has raised the demand for low-cost living and office spaces in large metropolitan cities. Countries have also been upgrading their infrastructure, which indirectly attracts foreign investments, thus increasing their growth rate. Polyvinyl Chloride has been used in the construction industry for over six decades due to its lightweight, toughness, excellent insulating properties, and recyclable. PVC is used to manufacture cables, pipes, flooring, window frames, wall covering, etc., and is slowly replacing the traditional building materials like wood, metal, concrete, and clay in many applications. More than 50% of the global GDP is generated in cities, and urbanization can lead to sustainable growth if managed well by increasing productivity. The US's success in the last century was heavily dependent on the construction sector. According to the Construction Association of Americas, the industry boasts about 680,000

employers, employing over 7 million people, creating structures worth USD 1.3 trillion each year. The Mexican Government, to boost the construction industry in the country, announced a USD 43 billion investment plan to be implemented from 2020 through 2024. The rate of urbanization in the Asia-Pacific region is around 1.5% per year, the world's highest. It is estimated that by the year 2030, over half of the population in the region will be urban. This is expected to propel the construction industry demand in the forecasted years. China has been funding massive infrastructural projects globally, which is expected to further strengthen its position as the focus shifts from the west to the east since the start of the 21st century. China-funded Sri-Lanka's Hambantota port, 250km south of Colombo, whose cost was estimated at USD 1.4 billion. The increasing construction activity and the increasing use of Polyvinyl Chloride as a construction material are expected to propel the PVC market demand for the forecast period.

Major market players in the industry were Alphagary, Arvand Petrochemical Co., China National Chemical Corporation, Formosa Plastics Corporation, Ineos, Inovyn, among others

Asia Pacific is expected to witness the fastest CAGR for the Global Polyvinyl Chloride market during the forecast period. The United States is one of the largest medical and healthcare markets. The 2019 healthcare spending stood at nearly USD 3.8 trillion, accounting for nearly 18% of the country's GDP. The demand for PVC in the medical industry has been rising due to the increasing use of gloves and medical cables to combat Covid-19. Since the United States is the most affected nation by the Covid-19 as of 29th June 2021, the demand for medical equipment is driving the PVC demand in the Asia Pacific region. The national healthcare spending is projected to average 5.7% for 2020-27 and reach nearly USD 6 trillion by 2027. During this period, the nominal GDP growth is expected to average 4.6%, while the healthcare share of GDP is expected to rise to 19.4% by 2027. With expenditures in the construction industry reaching over USD 1293 billion, the United States is one of the largest markets worldwide. During the pandemic, all the construction activities were shut down in the North America region, causing the industry to lose USD 61 billion in GDP and decreasing total jobs to roughly 6.5 million, but it is expected to revive itself in 2021. In 2020, construction spending in the first two months combined increased 8% from the same period in 2019, spurred by a 13% jump in single-family construction, an 11% rise in public construction, and the lowest 1% increase in private nonresidential spending. The United States' packaging industry is the second largest in the world. PVC's excellent organoleptic property makes it a preferred choice for food packaging, cling film, and pharmaceuticals tablets blisters. In addition, the demand for food packaging

solutions is increasing because the government prohibits dine-in in restaurants and encourages takeaway to restrict the Covid-19 spread.

In May 2020, Shintech, a subsidiary of Shin-Etsu Chemical Co., has planned to end maintenance works at its 1.4 million metric ton/year PVC complex in Freeport, Texas to meet domestic demand.

In March 2020, Formosa Plastics USA has restarted its 798-kilo ton/year PVC plant in Texas. The company has also postponed a 513-kilo ton/year PVC facility in Baton Rouge.

Global Polyvinyl Chloride Market report provides deep insight into the Industrial market's current and future state across various regions. The study comprehensively analyses the Polyvinyl Chloride market by segmenting based on the Type (Rigid PVC, Flexible PVC, Others), Application (Pipes & Fittings, Profiles, Wires & Cables, Films & Sheets, Others), End-Use Industry (Building & Construction, Packaging, Electrical & Electronics, Automotive, Medical & Healthcare, Others), and Geography (Asia-Pacific, North America, Europe, South America, and Middle-East and Africa). The report examines the market drivers and restraints and the impact of Covid-19 on the market growth in detail. The study covers and includes emerging market size, market dynamics, trends, developments, opportunities, and challenges in the industry. This report also covers extensively researched competitive landscape sections with prominent companies and profiles, including their market shares and projects.

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China

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