

## **Cross-Linked Polyethylene (XLPE) - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)**

Market Report | 2025-04-28 | 110 pages | Mordor Intelligence

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### **Report description:**

The Cross-Linked Polyethylene Market is expected to register a CAGR of 6.5% during the forecast period.

#### Key Highlights

- The market was negatively impacted due to COVID-19. Owing to the pandemic scenario, several countries around the world went into lockdown to curb the spread of the virus. The shutdown of numerous companies and factories has disrupted worldwide supply networks and harmed global production, delivery schedules, and product sales. Currently, the market has recovered from the COVID-19 pandemic and is increasing at a significant rate.
- Major factors driving the market studied are low-cost, flexibility, and easy installation of XLPE and the surge in demand from the pipes and tubing applications.
- Fluctuations in raw material prices and low heat transfer resistance and adhesion are expected to hinder the growth of the market studied.
- Rapid growth in urbanization and increase in demand from automotive industry are expected to provide substantial growth opportunities to the key players present in the cross-linked polyethylene market during the forecast period.
- North America is the leading region and Asia-Pacific is expected to be the fastest-growing region for cross-linked polyethylene market during the forecast period.

Cross-Linked Polyethylene (XLPE) Market Trends

Building and construction to Dominate the Market

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- Building and construction are one of the major end-user industries in which cross-linked polyethylene is used. Cross-linked polyethylene tubing is used for radiant floor heating in residential housings as radiant heating provides a consistent heat to a room.
- Besides, cross-linked polyethylene (XLPE) tubing and piping are being widely used in plumbing operations, replacing copper and galvanized steel, and PVC piping as the latter are subjected to rusting, cost, and circulation.
- XLPE-based tubing and piping resist corosions and perform well under a wide range of temperatures, allowing transportation of both heated water and cold water. Hence, this is being widely used in chilled and hot water pipe insulation.
- XLPE can run straight from a distribution point to an outlet fixture by totally eliminating the preparation such as bending and tubing operations during installation. This reduces costs in installing joints, as well as the drop in pressure, due to turbulence induced at the transitions.
- According to U.S. Census Bureau, in April 2023, the estimated construction spending was USD 1,908.4 billion at a seasonally adjusted annual rate which was around 1.2% above the March estimate of around USD 1,885.0 billion. During the 1st four months of 2023, the overall construction spending amounted to USD 566.7 billion.
- According to Statistics Canada, during the fourth quarter of 2022, overall investment in building and construction in Canada has reduced by 1.9% which was valued at USD 61.3 billion. Residential sector has reduced to USD 44.8 billion by 3.4%, whereas, non-residential sector grown by 2.6% to USD 16.5 billion.
- According to India Brand Equity Foundation (IBEF) has stated that India has to develop the infrastructure in order to reach the economic growth target of USD 5 trillion by 2025. Capital investment for infrastructure has been increased by 33% to Rs. 10 lakh crore (USD 122 billion) under Budget 2023-24. Thus, increase in construction investment in turn boost the demand for cross-linked polyethylene.
- The above mentioned factors are expected to drive the market for cross-linked polyethylene during the forecast period.

#### Asia-Pacific is the fastest growing Market

- In the Asia-Pacific region, China has spent only about 3% of the global healthcare spending, to address the healthcare needs of 22% of the world's total population. To reduce this gap, China is investing heavily in its domestic healthcare sector.
- Additionally, growth in the construction sector, increased investments in industrial and public infrastructure, and development of gas pipelines, water transmission, and sewer systems fueled by rapid urbanization, are the key factors that will drive the studied market, in the country, during the forecast period. Cross-linked polyethylene is extensively used in wide range of industries such as building and construction, automotive, medical, and electrical and electronics including others.
- According to International Trade Administration, China is the world's largest construction market. There is a stimulus-induced infrastructure investment is expected to increase the industry's growth. For example, China's 14th Five-Year Plan emphasizes new infrastructure projects in transportation, energy, water systems, and new urbanization. According to estimates, overall investment in new infrastructure during the 14th Five-Year Plan period (2021-2025) will reach roughly USD 4.2 trillion.
- Chinese government promulgated Healthy China 2030, a blueprint that outlines its ongoing intent to prioritize health as a precondition for sustained social and economic development. Additionally, growing research on pharmaceuticals, in the country, will also augment the demand for XLPE, during the forecast period.
- According to Invest India, India is expected to become the third largest construction industry in the world. As under National Infrastructure Pipeline (NIP) for FY 2020-2025, India has an investment budget of USD 1.4 trillion on infrastructure, 24% on renewable energy, 18% on roads & highways, 17% on urban infrastructure, and 12% on railways. This budget is accounted to around 70% of the total capital expenditure of Indian infrastructure development.
- Such factors are boosting the demand for the market studied during the forecast period.

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## Cross-Linked Polyethylene (XLPE) Industry Overview

The cross-linked polyethylene (XLPE) market is fragmented in nature. Some of the major players include Dow, Nouryon, Borealis AG, LyondellBasell Industries Holdings B.V., and Avient Corporation, among others.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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