

Polymer Market For Waste Management Size, Share & Trends Analysis Report By Product (PVC, EVOH, HDPE, LDPE, EPDM, Others), By Region (North America, Europe, MEA, APAC), And Segment Forecasts, 2025 - 2030

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Abstracts

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Polymer Market For Waste Management Growth & Trends

The global polymer market for waste management size is expected to reach USD 5.79 billion by 2030, according to a new report by Grand View Research, Inc. The market is estimated to expand at a decent CAGR of 2.7% from 2025 to 2030. Several characteristics of polymer resins, including good welding strength, chemical resistance, and excellent low-temperature performance, in waste management processes are expected to drive the industry. Polyvinyl Chloride (PVC) is one of the key raw materials used for manufacturing plastic-based flexible packaging materials.

The demand of polyvinyl chloride is highly dependent on the construction industry, as about 60 to 70% of the global demand is for pipe, siding, fitting, fencing, windows, and other applications. Increasing product demand from other end-use industries may result in tight raw material supply, hampering market growth. Polypropylene and polyethylene are thermoplastic polymers used in a variety of applications. Growth in the manufacturing and construction industry has been driving the polypropylene market over the past few years; however, its overproduction has led to a decrease in prices.

Rapidly expanding construction sector in India and China, on account of the presence of favorable regulatory support to improve the infrastructure at a domestic level, is

expected to boost the utilization of geomembranes. This, in turn, is likely to augment the demand for polymers for waste management in this sector. Asia Pacific is expected to witness a rise in construction spending over the forecast period on account of rapid urbanization coupled with burgeoning population. Thus, growing construction sector, particularly in China and India, as a result of increasing disposable income and rising government spending on large infrastructural projects will support the market development.

Polymer Market For Waste Management Report Highlights

HDPE segment dominated the market with the largest revenue share of 53.1% in 2024 and The EPDM segment is expected to grow at the fastest CAGR over the forecast period

Low-density Polyethylene (LDPE) is projected to exhibit a significant growth during the forecast years

The Asia Pacific polymer market for waste management market held the largest revenue share of 36.9% in 2024 due to rapid urbanization and industrial growth in the region

Growing awareness about the usage of engineering polymers in the construction industry is likely to open new growth opportunities for the regional market

Most of these industry participants are undertaking various initiatives, such as investments for capacity expansion, to maintain the market position

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