

# Polyethylene Market in the US

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## Abstracts

Polyethylene (PE) is the most extensively used form of plastic world over. It is the world's third-largest commodity plastic resin after polyvinyl chloride and polypropylene. However, in the US, its demand faced a slump of nearly three percent annually from 2005-2010. The demand for PE is usually generated due to its widespread use for packaging purpose in motor vehicles, construction industry and also in manufacturing of bottles, grocery bags, toys etc. Due to the economic recession, the demand for PE faced a steep downfall, resulting in a major deterioration of the industry during this time period.

LDPE (Low Density Polyethylene) is the oldest and most mature of the polyethylenes (PE). It is characterized by its short and long chain branching which gives it good clarity and processability, although it does not have the strength properties of the other PEs. However, LDPE has been losing market share to LLDPE (Linear Low Density Polyethylene), which has either replaced or been blended with LDPE. The higher strength properties offered by LLDPE allow down-gauging, saving in materials and a reduction in costs. Injection moulding, the third-largest application segment, is another growth area for LDPE. Uses include household goods, toys and sporting goods, caps and closures, and medical appurtenances.

The United States HDPE market is expected to cross \$30 billion by 2012. The HDPE market is highly competitive, characterized by the presence of several chemical powerhouses. Market participants include ChevronPhillips Chemical Company, Dow Chemical, Exxon Mobil, Formosa Plastics, Ineos, LyondellBasell Chemicals etc. With continuous innovations and availability of advanced technology, the industry continues to progress further by also utilizing renewable and recycled materials.

US PE supplies tightened at the end of the first quarter on 2010 because of disruptions to feedstock ethylene supply and a healthy demand. Demand increased steadily

throughout this period, and producers were able to implement a series of price increases, totaling as much as 11 cents per pound. New innovations such as producing of PE nanocomposites have helped the products become less polluting and more eco-friendly. Overall, the demand for polyethylene in the US is greatly influenced by economic conditions, consumer expenditures and shipments made by the manufacturers.

In this industry scenario, Taiyou Research analyzes the Polyethylene Market in the US. The report covers the following:

A statistical analysis of the US market for polyethylene.

Analysis of the demand for polyethylene segmented according to products. Segments analyzed include LDPE, LLDPE, and HDPE.

Industry trade, industry trends, regulatory framework, and the industry structure are analyzed, along with an analysis of the product development in the industry.

Markets analyzed in this research report include construction, consumers and institutional markets, packaging markets, and others.

Major players are analyzed in this report through a company overview, analysis of business segments, presence in the market, and a SWOT analysis.

Taiyou Research's report on the Polyethylene Market in the US is a comprehensive research offering on the industry.

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