

Polypropylene Catalysts Market by Type (Ziegler–Natta, Metallocene, and Co-Catalyst systems), by PP Manufacturing Process (Solvent, Bulk Slurry, and Gas phase) - Global trends & forecasts to 2019

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Abstracts

Polypropylene catalysis involves the swift polymerization of olefins under mild conditions in the presence of transition metal compounds as catalysts. The first polypropylene catalyst that was manufactured was Ziegler-Natta catalysts. The process discovered by Karl Ziegler and Giulio Natta in 1955, was an industrially important and stimulating phenomenon. This enabled the companies to produce cost effective polypropylene at a faster rate. Gradually companies began to invest in developing advanced generations of Ziegler-Natta catalysts and other variations of Ziegler-Natta catalysts.

The global polypropylene catalyst market is projected to register a CAGR of 4%-5% between 2014 and 2019 in terms of volume. Among different polypropylene catalyst types, Ziegler-Natta occupied the highest market share in terms of value in 2014 with an approximate 80% market share. Metallocenes, also known as single site activated catalysts, are the fastest-growing type due to their ability to impart specific properties to polypropylene films. Metallocene based polypropylene sheets are likely to have features such as increased impact strength and toughness; better melt characteristics, because of the control over molecular structure; and improved clarity in films. One of the major drawbacks for metallocenes are that they are significantly expensive than ziegler-natta catalysts. Their early applications have been in specialty markets where value-added and higher priced polymers can compete. As the technology develops and catalyst costs decrease, metallocene-based polypropylenes are anticipated to compete in the plastics market.

Region-wise, North America and Europe are leading the global market. Growth in Asia-Pacific is the highest owing rising demand for polypropylene based plastics in the region. The growth is also aided by cheaper raw material prices. Due to the region's favorable prospects, several companies like Univation (A joint venture between Exxon and Dow chemicals), Sud-Chemie, and Albemarle Inc. are expanding in Asian countries to benefit from the low-cost structures and growing local demand for polypropylene based plastics.

The report analyzes the global polypropylene catalyst market trends and forecasts till 2019. The market size has been provided in terms of market volume (tons) and value (\$million). The report also identifies prominent players and provides analysis for each player in terms of company overview, financials, products & services offered recent developments, and company strategy.

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