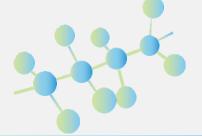
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## **PolyOlefins Global Technology Analysis**

The PolyOlefins Planning Service (POPS) is a subscription program providing detailed and insightful analysis of the global polyethylene and polypropylene business since the 1990s.

To accompany the PolyOlefins Planning Service subscription NexantThinking also publishes the Global Technology Analysis on a bi-annual schedule.

The Global Technology Analysis is not included within the annual subscription fee to the PolyOlefins Planning Service.

This report provides an in-depth technology review of:

- Low density polyethylene (LDPE)
- Linear low density polyethylene (LLDPE)
- High density polyethylene (HDPE)
- Polypropylene (PP)

#### To be published in October 2014

#### Abstract

The global polyolefins industry continues to be shaped by ongoing development in feedstock supply due to the on-going investment in shale gas in the United States and coal-to-olefins technology in China. This has resulted in a number of plant closures, along with new capacity start-ups.

In addition, despite the on-going development and promotion of high performance resins, the industry is becoming increasingly commoditized with purchasing decisions made on the basis of cost. Production economics for polyolefins show noticeable disparities within and between regions.

The Global Technology Analysis provides analysis of developments in polyethylene and polypropylene technology and assesses the effect on the polyolefins business. The report addresses the fundamental drivers behind technology development, and includes:

- Process technology impact of increasing plant scale and the evolution of new technologies
- Process chemistry focuses on new catalysts, modified formulation and increased yields
- Product development resins for new applications, product substitution and application specific improvements

Other issues such as trends in technology licensing are also explored in this new report.

#### **Report Content:**

- 1. Executive Summary
- 2. LDPE Process Technology
- 2.1 Introduction
- 2.2 Tubular Processes
- 2.3 Autoclave Processes
- 3. LLDPE and Swing Process Technology
- 3.1 Introduction
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- 4.3 Slurry Loop Processes
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#### 6. Cost of Production Economics

- 6.1 Introduction
- 6.2 Polyethylene Technology Assessment
- 6.3 Polypropylene Technology Assessment
- 6.4 Economic Basis

#### Appendix

Cost of Production Estimates

#### License Details:

The PolyOlefins Global Technology Analysis 2014 license includes:

- One hard copy of the report
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