Global Polyethylene Catalysts Markets 2015-2020

Description: Low Pressure Polyethylenes (LPPEs) are typically produced with conventional catalysts like Ziegler-Natta and Chromium catalyst) or single site catalyst (like metallocene and constrained geometry catalyst). The processes to produce LPPEs are well established with gas-phase reactors, slurry loop reactors or continuous stirred tank reactors (CSTR). Most licensors promote multiple reactors to optimize the processability and mechanical properties of PEs. Each end-use-application requires specific PE resin attributes, microstructure, and processability, which are often satisfied by only the right combination of a specific PE process and a suitable catalyst. LPPE technology is ripe for innovation to satisfy many of the process/product requirements and improvements. One of the goals of this study is to understand recent innovations in PE catalysts made by licensors, catalysts suppliers and major PE producers.

The average annual growth rate (AAGR) of the LPPE industry is expected to be approximately 4.2-4.9% from 2015 to 2020. With the shale gas ‘explosion’ in the US, a significant increase in PE capacity is expected in North America during the next three years. New capacities are currently being installed in the Middle East. In spite of a slowdown of growth in China, new plant start-ups have continued.

Expansions in some regions of the world and slowdown in other regions will create a shift in catalyst demand and global PE capacity.

Another goal of this study is to review the catalyst needs per region and per process technology in 2020. The number of PE catalyst suppliers, especially third-party suppliers, has increased during the recent years. Each catalyst supplier has a specific catalyst portfolio. This study will assess the relative position of each catalyst supplier in this niche but dynamic and high-margin market based on interviews with both PE catalyst suppliers and resin producers.

Key Highlights:

- Analysis of global PE catalyst markets, related technologies and emerging trends
- Global PE supply & demand in 2015 and 2020
- Markets and end-uses broken down into process and region
- PE catalyst requirements by type, process, and end-use application
- In depth survey of PE catalyst users and producers
- Review of developments in innovation by main PE producers, licensors and catalyst suppliers
- Comprehensive producer profiles
- Key issues for the PE industry
- Complete Excel worksheets included with full report
- Exclusive Q&A with report author

Who Should Purchase this Report?

- Current PE catalyst suppliers, licensors and third-party suppliers
- PE Producers
- PE end-users (R&D, technical support)
- New or future entrants to the industry
- Specialty chemical companies to understand market dynamics
- Financial institutions to understand profitability of catalyst companies
- Industry participants wanting to understand key growth factors and new technology

Contents: 1 Introduction and Methodology
1.1 Introduction
1.2 Objectives
1.3 Research Methodology and Approach
1.4 Regions Addressed in this Study
2 Executive Summary
3 Global Polyethylene Process Analysis
  3.1 Introduction
  3.2 Overview of LPPE Processes
  3.3 Overview of Global LPPE Capacity

4.0 Global Polyethylene Market and End-Use Analysis
  4.1 Introduction
  4.2 Polyethylene (PE)
  4.3 Linear Low Density Polyethylene (LLDPE)
  4.4 LLDPE End-Use Applications
  4.5 High Density Polyethylene (HDPE)
  4.6 HDPE End-Use Applications
  4.7 Conclusion

5 PE Catalyst Requirements
  5.1 Introduction
  5.2 History and Development of PE Catalysts
  5.3 Catalyst Chemistry
  5.4 Requirements on the Catalyst System
  5.5 PE Catalysts Volume in 2015 and 2020
  5.6 Conclusions

6 PE Catalyst Producer Profiles
  6.1 Introduction
  6.2 Review of Catalyst Suppliers
  6.3 Industry Structure
  6.4 Conclusion

7 Strategic Analysis
  7.1 Introduction
  7.2 Polyethylene Catalyst Market Summary
  7.3 Summary of the Surveys
  7.4 Strategic Analysis
  7.5 Evaluating the PE Catalyst Industry in Porter's Framework
  7.6 Overall Conclusions and General Considerations

Appendix 1: 2013 To 2015 Patents
Appendix 2: Glossary and Abbreviations
Appendix 3: Important Catalyst Attributes

List of Exhibits:
Exhibit 1-1: Methodology flowsheet
Exhibit 2-1: Capabilities of different low pressure PE processes
Exhibit 2-2: HDPE capacity in 2010-2015-2020 by region
Exhibit 2-3: HDPE capacity repartition by processes in 2015
Exhibit 2-4: Evolution of LLDPE capacity by regions
Exhibit 2-5: LLDPE demand by application in 2015
Exhibit 2-6: LLDPE demand by region in 2015
Exhibit 2-7: HDPE demand by application in 2015
Exhibit 2-8: HDPE demand by region in 2015
Exhibit 2-9: Maximum demand for catalyst for HDPE production in 2015 and 2020
Exhibit 2-10: Demand for Ziegler-Natta catalyst by process technology in 2015
Exhibit 2-11: Maximum demand for catalyst for LLDPE production in 2015 and 2020
Exhibit 2-12: Distribution of LLDPE capacity by process in 2015
Exhibit 2-13: Level of market penetration of mLLDPE by region in 2015 and 2020
Exhibit 2-14: Increase in Ziegler-Natta volumes between 2015 and 2020 (high volume range) by regions
Exhibit 2-15: Polyolefin catalysts distribution chain
Exhibit 2-16: Industry structure for chromium catalysts
Exhibit 2-17: Industry structure for Ziegler-Natta PE catalysts
Exhibit 2-18: Industry structure for single site PE catalysts
Exhibit 2-19: Market value of different catalyst systems in 2015 and 2020
Exhibit 2-20: Ziegler-Natta catalysts for HDPE: Opportunity Index vs market attractiveness by region
Exhibit 2-21: Chromium catalyst suppliers: Technology position vs market position
Exhibit 2-22: SSC suppliers for LLDPE plant: Technology position vs market position
Exhibit 3-1: Capabilities of different low pressure PE processes
Exhibit 3-2: Phillips’ Slurry Loop process
Exhibit 3-3: Advanced Double Loop (ADL)
Exhibit 3-4: Innovene™ S Process
Exhibit 3-5: Hostalen® process
Exhibit 3-6: Hostalen® ACP process
Exhibit 3-7: Mitsui CX process
Exhibit 3-8: Borstar® process
Exhibit 3-9: UNIPOL™ Gas-phase process
Exhibit 3-10: Innovene™ G Gas-phase process
Exhibit 3-11: Spherilene™ C Gas-phase process
Exhibit 3-12: Spherilene™ Gas-phase process
Exhibit 3-13: Multi-zone Gas-Phase process
Exhibit 3-14: HDPE capacity in 2010-2015-2020 by region
Exhibit 3-15: HDPE capacity repartition by processes in 2015
Exhibit 3-16: Evolution of HDPE capacity repartition by processes
Exhibit 3-17: Evolution of LLDPE capacity by regions
Exhibit 3-18: Repartition of LLDPE capacity by process in 2015
Exhibit 4-1: LLDPE demand by application in 2015
Exhibit 4-2: LLDPE demand by region in 2015
Exhibit 4-3: HDPE demand by application in 2015
Exhibit 4-4: HDPE demand by region in 2015
Exhibit 5-1: Chromium compounds developed by Union Carbide
Exhibit 5-2: Polymerization mechanism of Ziegler-Natta catalyst
Exhibit 5-3: Structure of metallocene
Exhibit 5-4: Ionic activation
Exhibit 5-5: Constrained geometry catalyst
Exhibit 5-6: Mitsui FI Polymerization catalyst
Exhibit 5-7: Mitsui FI Oligomerization catalyst
Exhibit 5-8: Post-metallocene structures from Univation
Exhibit 5-9: Minimum demand for catalyst in HDPE production in 2015 and 2020
Exhibit 5-10: Maximum demand for catalyst for HDPE production in 2015 and 2020
Exhibit 5-11: Demand for chromium catalyst in 2015 by process
Exhibit 5-12: Demand for chromium catalyst in 2020 by process
Exhibit 5-13: Increase of chromium catalyst volume between 2015 and 2020 (low volume range)
Exhibit 5-14: Increase of chromium catalyst volume between 2015 and 2020 (high volume range)
Exhibit 5-15: Demand for Ziegler-Natta catalyst by process technology in 2015 (HDPE)
Exhibit 5-16: Demand for Ziegler-Natta catalyst by process technology in 2020 (HDPE)
Exhibit 5-17: Increase in Ziegler-Natta catalyst volume between 2015 and 2020 (low volume range) (HDPE)
Exhibit 5-18: Increase in Ziegler-Natta catalyst volume between 2015 and 2020 (high volume range) (HDPE)
Exhibit 5-19: Minimum demand for catalyst for LLDPE production in 2015 and 2020
Exhibit 5-20: Maximum demand for catalyst for LLDPE production in 2015 and 2020
Exhibit 5-21: Distribution of LLDPE capacity by process in 2015
Exhibit 5-22: Distribution of LLDPE capacity by process in 2020
Exhibit 5-23: Level of market penetration of mLLDPE by region in 2015 and 2020
Exhibit 5-24: Increase in metallocene volume between 2015 and 2020 (low volume range)
Exhibit 5-25: Increase in metallocene volume between 2015 and 2020 (high volume range)
Exhibit 5-26: Increase in Ziegler-Natta volumes between 2015 and 2020 (low volume range) by regions (LLDPE)
Exhibit 5-27: Increase in Ziegler-Natta volumes between 2015 and 2020 (high volume range) by regions (LLDPE)
Exhibit 5-28: Increase in Ziegler-Natta volumes between 2015 and 2020 by process
Exhibit 5-29: Consumption of LLDPE film by region in 2020
Exhibit 6-1: Univation’s PE catalysts and their capability range (MFI and density)
Exhibit 6-2: Univation metallocene catalyst capabilities in the processability-film toughness window
Exhibit 6-3: Polyolefin catalysts distribution chain
Exhibit 6-4: Industry structure for chromium catalysts
Exhibit 6-5: Industry structure for Ziegler-Natta PE catalysts
Exhibit 6-6: Industry structure for single site PE catalysts
Exhibit 7-1: Volume of different catalyst systems in 2015 and 2020
Exhibit 7-2: Market value of different catalyst systems in 2015 and 2020
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