

# **WORLDWIDE HIGH PRESSURE LDPE & High EVAs 2009-2014-2030**

## **Prospectus For An In-Depth Strategic Analysis Available for Immediate Delivery**

**Supply, Demand, and Trade Balances from 2009 to 2030**  
**By region – North America, South America, Western Europe, Eastern Europe, Japan, China, Rest of Asia, and the Middle East and Africa**  
**By application – Film, Extrusion Coating, Injection Molding, Wire and Cable, and others**  
**Cycle and Trend case Price forecast from 2009 to 2030**  
**Price forecast by region – North America, Europe, Asia, and Middle East**  
**Price Forecast for three different oil price scenarios**  
**Global announced capacity addition plans from 2010 to 2014**  
**All the above information provided for LDPE and High EVAs**



**Where should you build the next LDPE plant?**  
**Which technology should you use to gain maximum margins?**  
**Autoclave vs. Tubular**

**What are the target markets and target regions for LDPE?**  
**What are the target markets and target regions for high EVAs?**



**What is the regional competitiveness for LDPE?**  
**Comparison of netback prices for different regions – North America, Europe, Asia, and the Middle East**  
**Cash cost and delivered cost comparison for North America, Europe, Asia, and the Middle East?**  
**Profiles of the largest suppliers for LDPE and high EVAs**

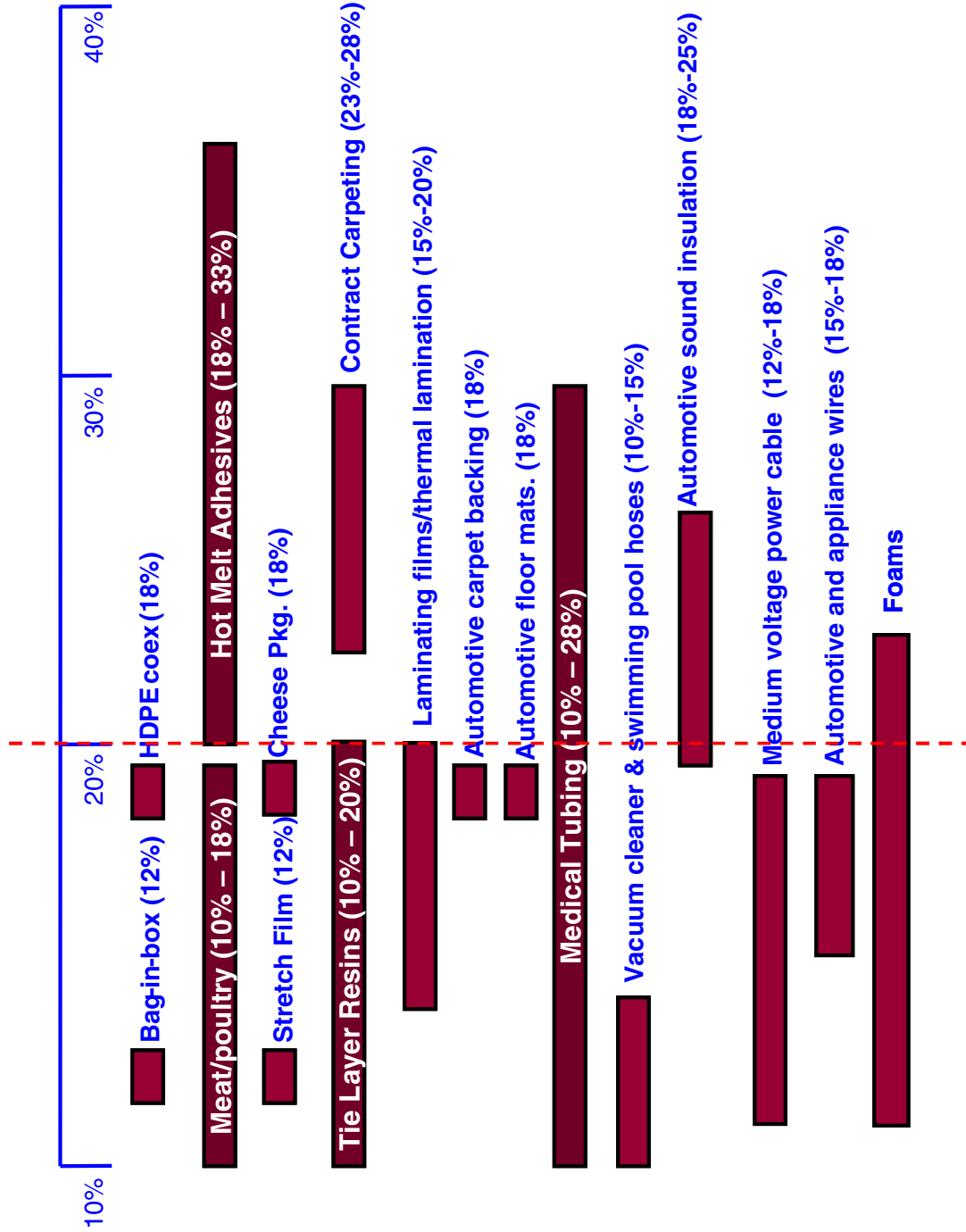


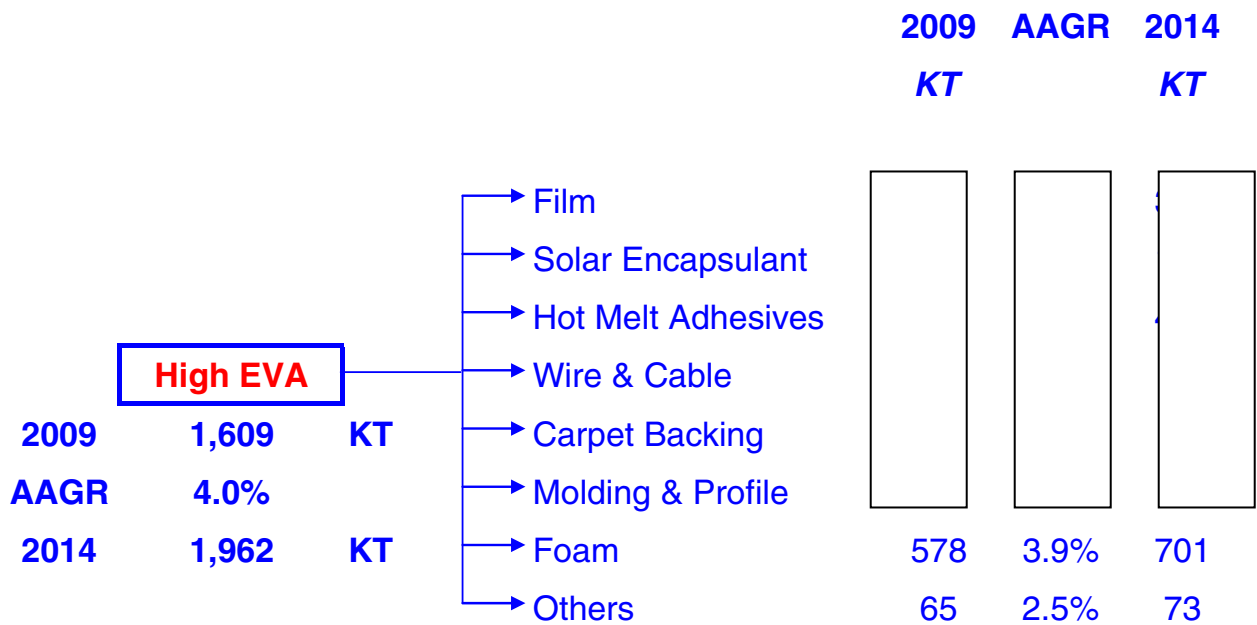
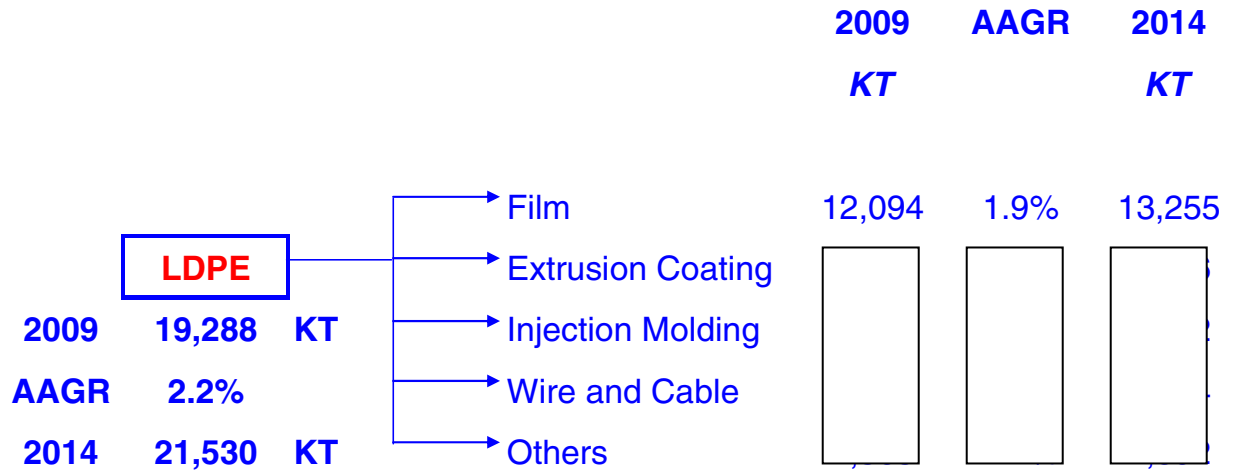
### **Chemical Market Resources, Inc.**

560 Blossom Street, Suite C, Houston, TX 77598-4237

Tel: 281-557-3320; Fax: 281-557-3310; Web: [www.CMRHouTex.Com](http://www.CMRHouTex.Com)

# LDPE-EVA Resins





# **WORLDWIDE HIGH PRESSURE LDPE & High EVAs**

## **An Update to our Popular 2006 Report**

### **2009-2014-2030**

#### **INTRODUCTION**

High Pressure Low Density Polyethylene (HP – LDPE) is a highly versatile and economic plastic material with major applications in five categories: (1) film, (2) injection molded parts, (3) extrusion coating, (4) adhesives and sealants, and (5) wire and cable. Since its development, LDPE has been the workhorse of the polyolefin industry for several decades. The inherent short-comings of LDPE, including: (1) high pressure operation, (2) wider molecular weight distribution, (3) lack of gas-phase process, and a (4) higher density and nonlinear chain structure than the incumbents, always kept LDPE as the material with lower preference for new facilities. In spite of the last three product/end use related shortcomings, LDPE has successfully maintained its advantage in some critical applications. The high-pressure operation and the related higher costs and dependence on high-pressure compressors, had been the most important factor in making the industry scrutinize LDPE more closely. The higher pressures and capacity limitations have made LDPE less competitive to the LLDPE processes. The recent developments in the newer high pressure technologies that have opened up higher capacities (up to 400 KT when needed) have made LDPE cost competitive against incumbent processes become a viable product with unique characteristics.

The current world demand for LDPE including that for high EVAs is approximately 19,288 KT. The high EVA LDPEs are expected to maintain their higher growth and specialty status, with low EVAs growing at GDP. High EVA's rapid growth is attributed to the solar encapsulant application, stimulated by the increase in global demand for renewable energy.

The impact of the newer technologies has not yet been felt in the markets. The new technologies ideally could increase the growth rates of LDPE to match those of LLDPE in future, to the extent that most of the LLDPE producers will develop "LDPE Look-Alikes", using their current and/or future LLDPE technologies.

#### **A NEW MULTICLIENT STUDY**

Chemical Market Resources, Inc. offers an update to the popular study published in 2006. The update offers long-term demand, supply, and operating rate forecasts (until 2030), long-term price forecasts and netback analysis (until 2030). The study will present a special focus on the high EVA markets with an emphasis on the rapid growth of the solar encapsulant application.

Chemical Market Resources, Inc., with our extensive experience in (1) Worldwide LDPE markets (both high and low EVAs), technologies, and intermaterial competition issues, (2) polyolefins, and (3) flexible polymers, is undertaking a comprehensive global strategic business/technical analysis that reports on this fast-changing intermaterial competition arena. Our in-depth examination and methodology are designed to assist companies in monitoring the rapid developments, analyzing the trends, and capitalizing on the many opportunities in these changing markets and technologies.



**Chemical Market Resources, Inc.**  
Tel: (281) 557-3320 Fax: (281) 557 - 3310

The report will benefit: (1) present and future LDPE market participants, (2) polyolefin and elastomers producers, compounders, and end users, (3) other polyolefin industry participants, and (4) the individual end users, entrepreneurs, and organizations attempting to understand these complex issues and capture future growth in the marketplace.



**Chemical Market Resources, Inc.**  
Tel: (281) 557-3320 Fax: (281) 557 - 3310

## **OBJECTIVES**

- ❖ Define the worldwide status of LDPE markets in terms of: (1) type –Low EVA and High EVA, (2) end use markets, (2) trends, and (3) regional differences*
- ❖ Provide a special focus on the solar encapsulant application for high EVA*
- ❖ Provide long-term demand, supply, & trade balances by region*
- ❖ Provide price forecast by region – cycle, trend, low, medium, and high cases*
- ❖ Provide an accurate assessment of the future of LDPE in face of all the forecasts*
- ❖ Autoclave vs. Tubular – which technology is better to compete in current market conditions*
- ❖ Assist compounders and suppliers in assessing the impact of these issues in the near future*

## **KEY ISSUES TO BE ADDRESSED**

- ❖ The worldwide LDPE market/technology status and concerns of: (1) end users, (2) producers, and (3) competing material suppliers in North America, Europe, Japan, China, Rest of Asia, and Middle East, Africa*
- ❖ Worldwide resin, compound and additive supplier responses to key issues*
- ❖ Suppliers' current and future impact of key issues on LDPE markets and their vulnerability in selected end use markets with multi-attribute analysis of met/unmet needs of LDPE vs. LLDPE in over 50 end uses*
- ❖ Status of " LDPE Look-Alike" material developments*

## **TIMING & SUBSCRIPTION INFORMATION**

An order form is included as the last page of this prospectus. The report is available for immediate delivery. The price per report will be \$15,000 including the electronic copy.

## **APPROACH**

The information, data and conclusions of this analysis will be developed from sources in North America, South America, Western Europe, Japan, China, Rest of Asia, and Middle East and Africa, and are based upon, but not limited to, the following methods:

- ❖ Search, review and interpretation of information from government sources, trade and industry groups, public interest groups, government agencies, published articles, and product promotional information*
- ❖ Information from private experts and CMR proprietary projects (over 20 of them related to these topics in the last two years)*
- ❖ Interviews with leading LDPE, LLDPE PVC, EP(D)M and TPE suppliers, end users and distributors*
- ❖ Information from major technology suppliers and ENC organizations*
- ❖ The systematic approach to market quantification, assessment, and opportunity analysis by end use and region*



# **WORLDWIDE HIGH PRESSURE LDPE & High EVAs**

## **An Update to our Popular 2006 Report**

### **2009-2014-2030**

## **ORDER FORM**

**Mail order form/payment to:**  
**Chemical Market Resources, Inc.**  
**560 Blossom Street, Suite C**  
**Houston, TX 77598-4237**  
**Email: [CMRInfo@CMRHouTex.Com](mailto:CMRInfo@CMRHouTex.Com)**

**Telephone Inquiries: 281-557-3320**  
**Fax Inquiries: 281-557-3310**  
**Wiring Instructions:**  
**Horizon Capital Bank:**  
**ADA No. 113023945**  
**Acct: 78581**

The report is available for **immediate delivery**. The price per report will be \$18,000 including the electronic copy.

Subscribers agree to treat the contents of this report as confidential, not to be revealed to any person outside the subscriber organization, and to certify the report will be used solely by the officers and employees of the subscriber or majority owned subsidiaries (>51%).

.....  
Authorized Signature

Date

.....  
Company Name

Name/Designation

.....  
Street Address

.....  
City

State

Zip

.....  
Telephone/Fax Numbers

If you are ordering extra copies, please include the addresses where the copies are to be mailed (on an additional piece of paper), if different from your own.



**Chemical Market Resources, Inc.**  
Tel: (281) 557-3320 Fax: (281) 557 - 3310

## ***ABOUT OUR COMPANY***

**CHEMICAL MARKET RESOURCES, Inc., was founded in 1990 to focus on the areas of marketing research and strategic planning. Our global clientele is concentrated within the chemical, petrochemical, plastics and related industries.**

Prior to joining CMR, Inc., our associates held responsible positions in the chemical and allied industries. Our team of professionals have strong technical backgrounds combined with hands-on business experience. Compilation of data, strategic analyses, writing and editing are entirely conducted in our state of the art facilities in-house, to assure quality control at each stage of development. Our strength is in providing our clients close interaction to maximize effectiveness. We provide in-depth analyses with actionable statements in a cost-effective and timely fashion.

### ***Our recently completed multiclient studies***

1. APP/APAO and SB Copolymers vs. New Generation Polyolefins, Markets, Technologies and Intermaterial Competition Trends 1995-2000
2. New Generation Polyolefins - A Bimonthly Global Review of Markets, Technologies & Trends
3. Intermaterial Competition of Flexible PVC, TPEs and EP(D)M Rubbers vs. new Generation Polyolefins - North America, Europe and Japan - Markets, Technologies and Trends 1996-2000
4. Chemical Market Resources, Inc., Polyolefins MT&T™Series - An in-depth benchmark analysis of significant markets and technologies that will impact the global polyolefin industry over the next decade on: (1) PP Films, (2) High EVAs, (3) Polyolefin Foams, (4) Polyurethanes, (5) Metallocenes, (6) Elastomeric Polyolefins – TPOs, Plastomers and Elastomers, (7) PP Fibers, (8) Acid Copolymers and Ionomers, (9) EP(D)M and EPM, (10) Tie Layer Resins

#### **OTHERS**

5. U.S. Markets for Plastic Eyeglass Lenses
6. North American Unsaturated Polyesters - Markets, Technologies & Intermaterial
7. North American Antifreeze Recycling Markets: An Industry Analysis of Markets
8. Consumption Database of Ethylene Glycol and Higher Glycol Markets, U.S., Canada and Mexico
9. Consumption Database of Propylene Glycol and Higher Glycol Markets, U.S., Canada and Mexico
10. Consumption Database of Phenol/Acetone Markets - U.S., Canada and Mexico

***For fresh and innovative ideas on  
Chemicals/Plastics Marketing Research***  
**Reach us at Tel: (281) 557-3320, Fax: (281) 557-3310**  
**Website: [www.CMRHouTex.com](http://www.CMRHouTex.com)**  
**Email: [CMRInfo@CMRHouTex.Com](mailto:CMRInfo@CMRHouTex.Com)**



**Chemical Market Resources, Inc.**  
Tel: (281) 557-3320 Fax: (281) 557 - 3310