

# **Polyethylene Wax Market- Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028 Segmented By Type (HDPE Wax, LDPE Wax, Oxidized Polyethylene Wax, and Others), By Process (Polymerization, Modification, and Thermal Cracking), By Application (Plastic Processing, Hot-Melt Adhesive, Ink & Coating Industry, and Others) By Region, and Competition**

<https://marketpublishers.com/r/P039F892EA4EEN.html>

Date: December 2022

Pages: 112

Price: US\$ 4,900.00 (Single User License)

ID: P039F892EA4EEN

## **Abstracts**

Global Polyethylene Wax Market is projected to grow at an impressive rate through 2028 due to increasing demand from the packaging industry. China's overall production of plastic products amounted to 80 million metric tons in 2021.

Polyethylene wax refers to synthetic wax. It is a high molecular weight polyethylene made from chains of the ethylene monomer. There are various ways to make polyethylene wax, including by polymerizing ethylene. Due to its characteristics, including formulation flexibility, low melt viscosity, strong heat resistance, thermal stability, and a controlled molecular weight, it is applied in the plastic production process. Candles, rubber adhesives, plastic additives, lubricants, and cosmetics employ polyethylene wax. Additionally, it applies coatings, bonds, and printing inks. Consequently, the global polyethylene wax market is experiencing profitable growth due to rising product demand.

Manufacturers are now using metallocene, a polymerization process, to produce HDPE and LDPE because it offers enhanced and improved performance. This is anticipated to support the market expansion of polymerization technology for PE wax. Manufacturing

of co-polymers, oxidized, acid-modified, and unique monomers uses modification technology. The technological share is anticipated to expand during the projection period because of the rapid demand for acid-modified and oxidized products.

### Growing Demand from The Construction Industry

According to the United Nations, the world's population reached 8 billion on November 15, 2022. Hence, there is promising demand in the construction industry to meet the demand for urban and rural homes. The market for polyethylene wax is anticipated to be driven by the expanding construction industry. Because it gives a good level of water repellency, enhances texture, has anti-settling qualities, and offers abrasion resistance, polyethylene wax is used in paints and coatings. Emulsions made from polyethylene wax improve texture and prevent color fading.

### Increasing Demand from Packaging Industry

Increased demand for FMCGs, pharmaceutical supplies, and other consumer durables has increased the need for packaging. These factors, together with growing urban populations, are to blame for the increase in packaging requirements. According to the Flexible Packaging Association, more than 60% of the market comprises flexible packaging for food. The demand for flexible packaging is growing swiftly because it has the potential to offer novel solutions to many packaging issues. IBEF further notes that the food processing industry, which accounts for 32% of India's total food market and ranks fifth in production, consumption, and exports, is one of the country's most important industries, with 70% of revenues coming from retail.

### Growing Technological Advancement

Due to the rising demand from numerous sectors, several aggressive market players are concentrating on raising polyethylene wax output, assisting in the market's expansion. Market participants compete to maintain an edge over rivals. To investigate cutting-edge methods for manufacturing polyethylene wax, scientists from industrialized nations are expanding their research activities in polymer science. Technological advancements are accelerating the growth of the polyethylene wax market. Market expansion is accelerating across Asia, particularly in China and India. The market is expected to develop due to the surge in demand for affordable polyethylene wax.

### Market Segmentation

The global Polyethylene Wax market is segmented by type, process, and application. Based on type, the market is divided into HDPE Wax, LDPE Wax, Oxidized Polyethylene Wax, and Others. Based on the process, the market is segmented into Polymerization, Modification, and Thermal Cracking. Based on application, the market is segmented into Plastic Processing, Hot-Melt Adhesive, Ink & Coating Industry, and Others.

#### Market players

BASF SE, Innospec Inc, SCG Chemicals Public Company Limited, Mitsui Chemicals, SABIC, LyondellBasell Industries N.V., Trecora Resources, Honeywell International Inc., The Lubrizol Corporation, and Westlake Chemical Corporation are some of the key market players.

#### Report Scope:

In this report, Global Polyethylene Wax Market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

#### Global Polyethylene Wax market, by type:

HDPE Wax

LDPE Wax

Oxidized Polyethylene Wax

Others

#### Global Polyethylene Wax market, by process:

Polymerization, Modification

Thermal Cracking

#### Global Polyethylene Wax market, by application:

Plastic Processing

Hot-Melt Adhesive

Ink & Coating Industry

Others

### Global Polyethylene Wax Market, By Region:

North America

United States

Canada

Mexico

Europe

France

Germany

United Kingdom

Italy

Spain

Asia-Pacific

China

India

Japan

South Korea

Australia

## South America

Brazil

Argentina

Colombia

## Middle East & Africa

South Africa

Saudi Arabia

UAE

Turkey

Egypt

## Competitive Landscape

**Company Profiles:** Detailed analysis of the major companies in Global Polyethylene Wax Market.

## Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

## Company Information

Detailed analysis and profiling of additional market players (up to five).

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