

# **Metallocene Polyethylene (mPE) Market by Application (Films, Sheets, Injection Molding, Extrusion Coating), Type (mLLDPE, mHDPE), Catalyst Type, End-Use Industry (packaging, automotive), and Region - Global Forecast to 2028**

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## **Abstracts**

The global metallocene polyethylene (mPE) market will rise from USD 7.7 billion in 2023 to USD 10.5 billion by 2028 at a CAGR of 6.2% from 2023 to 2028. Improvements in metallocene catalyst technology and polymerization processes have led to more consistent and tailored production of mPE with specific properties, expanding its application possibilities.

“The mLLDPE, by type segment, is projected to grow at the highest CAGR from 2023 to 2028.”

mLLDPE's toughness and flexibility make it a suitable material for various consumer goods, including bags, liners, and other products that require reliable strength and performance. Its versatility in flexible packaging, industrial films, consumer goods, and healthcare products, along with increasing demand for sustainable materials, particularly in the Asia-Pacific region, further accelerates its adoption as a reliable and eco-friendly polymer.

“Film, in by application segment, is projected to grow at the highest CAGR from 2023 to 2028.”

The usage of metallocene polyethylene (mPE) in films is projected to gain substantial growth due to its unique properties that enhance film performance. With improved mechanical characteristics, mPE enables the production of thinner yet stronger films,

catering to the demand for lightweight and durable packaging solutions across industries. Its excellent clarity, barrier properties, and sealability make mPE an attractive choice for flexible packaging applications, including food and consumer goods packaging. Moreover, mPE's ability to be tailored to specific requirements allows for customization, while its recyclability aligns with sustainability initiatives. As consumer preferences evolve and industries seek advanced packaging materials, mPE's growth trajectory in film applications remains poised for expansion.

“Asia Pacific metallocene polyethylene (mPE) market is projected to grow at the highest CAGR from 2023 to 2028.”

Asia Pacific is expected to be the fastest-growing market for metallocene polyethylene (mPE) market during the forecast period. The Asia Pacific metallocene polyethylene (mPE) market has experienced robust growth driven by the region's rapid industrialization, expanding consumer base, and increasing adoption of advanced packaging solutions. As economies like China, India, and Southeast Asian nations continue to urbanize, there is a rising demand for durable and innovative packaging materials, aligning with mPE's unique attributes. With its enhanced mechanical properties, suitability for flexible packaging, and alignment with sustainability goals, mPE has established itself as a pivotal component in catering to the diverse packaging needs of the dynamic Asia-Pacific market, thereby fueling its steady upward trajectory.

Profile break-up of primary participants for the report:

By Company Type: Tier 1 – 20%, Tier 2 – 40%, and Tier 3 – 40%

By Designation: C-level Executives –10%, Directors – 70%, and Others – 20%

By Region: North America – 45%, Europe – 20%, Asia Pacific – 25%, South America– 5%, MEA-5%

The metallocene polyethylene (mPE) market report is dominated by players such as ExxonMobil Corporation (US), The Dow Chemical Company (US), LyondellBasell Industries Holdings B.V. (Netherlands), SABIC (Saudi Arabia), Borealis AG (Austria), SASOL(South Africa), Reliance Industries Limited (India), Braskem (Brazil), Mitsui & Co. (Japan), INEOS (UK), Westlake Chemical Corporation (US), Chevron Phillips Chemical Company LLC (US), Daelim Co., Ltd. (South Korea), LG Chem (South Korea) and UBE Corporation (Japan)

### Research Coverage:

The report defines, segments, and projects the metallocene polyethylene (mPE) market based on type, application, and region. It provides detailed information regarding the major factors influencing the market's growth, such as drivers, restraints, opportunities, and industry-specific challenges. It strategically profiles key metallocene polyethylene (mPE) solution providers and comprehensively analyzes their market shares and core competencies, as well as tracks and analyzes competitive developments, such as expansions, joint ventures, new product development, partnerships, mergers, and acquisitions undertaken by them in the market.

### Reasons to Buy the Report:

The report is expected to help the market leaders/new entrants by providing them with the closest approximations of revenue numbers of the metallocene polyethylene (mPE) market and its segments. This report is also expected to help stakeholders obtain an improved understanding of the market's competitive landscape, gain insights to improve the position of their businesses, and make suitable go-to-market strategies. It also enables stakeholders to understand the market's pulse and provides information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers: Analysis of critical drivers (Increasing demand for metallocene polyethylene (mPE) from the packaging industry), restraints (Limited adoption of mPE in some applications), opportunities (Customized material from polymer blends and composites), and challenges (Significant competition from bioplastics and recycled plastics) influencing the growth of the metallocene polyethylene (mPE) market.

**Product Development/Innovation:** Detailed insights on upcoming technologies, research &

development activities in the metallocene polyethylene (mPE) market.

**Market Development:** Comprehensive information about lucrative markets – the report analyses

the metallocene polyethylene (mPE) market across varied regions.

Market Diversification: Exhaustive information about new products & services, untapped

geographies, recent developments, and investments in the metallocene polyethylene (mPE) market.

Competitive Assessment: In-depth assessment of market shares, growth strategies, and service

offerings of leading players like ExxonMobil Corporation (US), The Dow Chemical Company (US), LyondellBasell Industries Holdings B.V. (Netherlands), SABIC (Saudi Arabia), and Borealis AG (Austria) among others in the metallocene polyethylene (mPE) market.

## Contents

### 1 INTRODUCTION

#### 1.1 STUDY OBJECTIVES

#### 1.2 MARKET DEFINITION

#### 1.3 INCLUSIONS & EXCLUSIONS

TABLE 1 METALLOCENE POLYETHYLENE MARKET, BY TYPE: INCLUSIONS & EXCLUSIONS

TABLE 2 METALLOCENE POLYETHYLENE MARKET, BY CATALYST TYPE: INCLUSIONS & EXCLUSIONS

TABLE 3 METALLOCENE POLYETHYLENE MARKET, BY APPLICATION: INCLUSIONS & EXCLUSIONS

TABLE 4 METALLOCENE POLYETHYLENE MARKET, BY END-USE INDUSTRY: INCLUSIONS & EXCLUSIONS

##### 1.3.1 MARKETS COVERED

FIGURE 1 METALLOCENE POLYETHYLENE MARKET SEGMENTATION

FIGURE 2 METALLOCENE POLYETHYLENE MARKET: REGIONS COVERED

##### 1.3.2 YEARS CONSIDERED

#### 1.4 CURRENCY CONSIDERED

#### 1.5 UNIT CONSIDERED

#### 1.6 LIMITATIONS

#### 1.7 STAKEHOLDERS

#### 1.8 SUMMARY OF CHANGES

### 2 RESEARCH METHODOLOGY

#### 2.1 RESEARCH DATA

FIGURE 3 METALLOCENE POLYETHYLENE MARKET: RESEARCH DESIGN

##### 2.1.1 SECONDARY DATA

2.1.1.1 Key data from secondary sources

##### 2.1.2 PRIMARY DATA

2.1.2.1 Key data from primary sources

2.1.2.2 Key industry insights

2.1.2.3 Breakdown of primary interviews

#### 2.2 RECESSION IMPACT

#### 2.3 MARKET SIZE ESTIMATION

FIGURE 4 BOTTOM-UP APPROACH

FIGURE 5 TOP-DOWN APPROACH

## 2.4 DATA TRIANGULATION

FIGURE 6 RESEARCH METHODOLOGY: DATA TRIANGULATION

## 2.5 RESEARCH ASSUMPTIONS

# 3 EXECUTIVE SUMMARY

TABLE 5 METALLOCENE POLYETHYLENE MARKET SNAPSHOT, 2023 VS. 2028

FIGURE 7 MLLDPE SEGMENT TO REGISTER HIGHEST GROWTH RATE BETWEEN 2023 AND 2028

FIGURE 8 FILMS SEGMENT TO REGISTER HIGHEST GROWTH BETWEEN 2023 AND 2028

FIGURE 9 ASIA PACIFIC TO LEAD METALLOCENE POLYETHYLENE MARKET DURING FORECAST PERIOD

# 4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN METALLOCENE POLYETHYLENE MARKET

FIGURE 10 METALLOCENE POLYETHYLENE MARKET TO WITNESS SIGNIFICANT GROWTH BETWEEN 2023 AND 2028

4.2 METALLOCENE POLYETHYLENE MARKET, BY TYPE

FIGURE 11 MLLDPE SEGMENT TO GROW AT HIGHEST RATE DURING FORECAST PERIOD

4.3 METALLOCENE POLYETHYLENE MARKET, BY APPLICATION

FIGURE 12 FILMS SEGMENT TO GROW AT HIGHEST CAGR BETWEEN 2023 AND 2028

4.4 ASIA PACIFIC METALLOCENE POLYETHYLENE MARKET, BY COUNTRY & TYPE

FIGURE 13 CHINA ACCOUNTED FOR LARGEST SHARE IN ASIA PACIFIC METALLOCENE POLYETHYLENE MARKET IN 2022

4.5 METALLOCENE POLYETHYLENE MARKET, BY COUNTRY

FIGURE 14 METALLOCENE POLYETHYLENE MARKET IN CHINA TO GROW AT HIGHEST RATE DURING FORECAST PERIOD

# 5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 15 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES IN

*Metallocene Polyethylene (mPE) Market by Application (Films, Sheets, Injection Molding, Extrusion Coating), Ty...*

## METALLOCENE POLYETHYLENE MARKET

### 5.2.1 DRIVERS

5.2.1.1 Increasing demand from packaging industry

### FIGURE 16 GLOBAL DEMAND FOR PACKAGING SOLUTIONS, 2017 & 2022

5.2.1.2 Sustainability and recycling initiatives

### 5.2.2 RESTRAINTS

5.2.2.1 Limited adoption in some applications

5.2.2.2 Technical barriers for manufacturers and end users

### 5.2.3 OPPORTUNITIES

5.2.3.1 Customized material from polymer blends and composites

5.2.3.2 Cross-licensing of patent rights among companies

### 5.2.4 CHALLENGES

5.2.4.1 Significant competition from bioplastics and recycled plastics

5.2.4.2 Lack of awareness and availability of cheaper, low-quality mPE

## 5.3 PORTER'S FIVE FORCES ANALYSIS

### 5.3.1 THREAT OF NEW ENTRANTS

### 5.3.2 THREAT OF SUBSTITUTES

### 5.3.3 BARGAINING POWER OF SUPPLIERS

### 5.3.4 BARGAINING POWER OF BUYERS

### 5.3.5 INTENSITY OF COMPETITIVE RIVALRY

## 6 INDUSTRY TRENDS

### 6.1 VALUE CHAIN ANALYSIS

### FIGURE 17 VALUE CHAIN ANALYSIS OF METALLOCENE POLYETHYLENE MARKET

### 6.2 TECHNOLOGY ANALYSIS

### 6.3 REGULATORY LANDSCAPE

### 6.3.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

### 6.4 KEY CONFERENCES AND EVENTS, 2023–2024

### TABLE 6 METALLOCENE POLYETHYLENE MARKET: KEY CONFERENCES AND EVENTS

### 6.5 CASE STUDY ANALYSIS

### 6.5.1 METALLOCENE POLYETHYLENE FILMS FOR MEDICAL DEVICE FABRICATION AS ALTERNATIVE TO FLEXIBLE PVC

6.5.1.1 Objective

6.5.1.2 Solution statement

### 6.5.2 APPLICATIONS OF METALLOCENE POLYETHYLENE IN PACKAGING



## INDUSTRY

### 6.5.2.1 Objective

### 6.5.2.2 Solution statement

## 6.5.3 APPLICATIONS OF METALLOCENE POLYETHYLENE IN AUTOMOTIVE COMPONENTS

### 6.5.3.1 Objective

### 6.5.3.2 Solution statement

## 6.6 TRENDS AND DISRUPTIONS IMPACTING CUSTOMER BUSINESS

### FIGURE 18 REVENUE SHIFT & NEW REVENUE POCKETS FOR METALLOCENE POLYETHYLENE MANUFACTURERS

## 6.7 KEY STAKEHOLDERS AND BUYING CRITERIA

### 6.7.1 KEY STAKEHOLDERS IN BUYING PROCESS

### FIGURE 19 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE END-USE INDUSTRIES

### TABLE 7 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE END-USE INDUSTRIES (%)

### 6.7.2 BUYING CRITERIA

### FIGURE 20 KEY BUYING CRITERIA, BY END-USE INDUSTRY

### TABLE 8 KEY BUYING CRITERIA, BY TOP THREE END-USE INDUSTRIES

## 6.8 ECOSYSTEM/MARKET MAP OF METALLOCENE POLYETHYLENE

### FIGURE 21 ECOSYSTEM/MARKET MAP OF METALLOCENE POLYETHYLENE

### TABLE 9 METALLOCENE POLYETHYLENE MARKET: ECOSYSTEM

## 6.9 PATENT ANALYSIS

### 6.9.1 METHODOLOGY

### 6.9.2 PATENT PUBLICATION TRENDS

### FIGURE 22 NUMBER OF PATENTS YEAR-WISE (2014–2022)

### 6.9.3 INSIGHT

### 6.9.4 JURISDICTION ANALYSIS

### FIGURE 23 CHINA ACCOUNTED FOR HIGHEST PATENT COUNT

### 6.9.5 TOP COMPANIES/APPLICANTS

### FIGURE 24 TOP 10 COMPANIES/APPLICANTS WITH HIGHEST NUMBER OF PATENTS

#### 6.9.5.1 Major patents

## 6.10 AVERAGE SELLING PRICE ANALYSIS

### FIGURE 25 AVERAGE SELLING PRICE OF METALLOCENE POLYETHYLENE, BY REGION (USD/KT)

### TABLE 10 AVERAGE SELLING PRICE OF METALLOCENE POLYETHYLENE, BY REGION, 2019–2023 (USD/KT)

### TABLE 11 AVERAGE SELLING PRICE OF METALLOCENE POLYETHYLENE, BY



TYPE, 2019–2023 (USD/KT)

## **7 METALLOCENE POLYETHYLENE MARKET, BY TYPE**

### **7.1 INTRODUCTION**

FIGURE 26 MLLDPE SEGMENT TO LEAD METALLOCENE POLYETHYLENE MARKET DURING FORECAST PERIOD

TABLE 12 METALLOCENE POLYETHYLENE MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 13 METALLOCENE POLYETHYLENE MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 14 METALLOCENE POLYETHYLENE MARKET, BY TYPE, 2019–2022 (KILOTON)

TABLE 15 METALLOCENE POLYETHYLENE MARKET, BY TYPE, 2023–2028 (KILOTON)

### **7.2 METALLOCENE LINEAR LOW DENSITY POLYETHYLENE (MLLDPE)**

#### **7.2.1 VERY HIGH IMPACT STRENGTH TO DRIVE MARKET**

TABLE 16 MLLDPE MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 17 MLLDPE MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 18 MLLDPE MARKET, BY REGION, 2019–2022 (KILOTON)

TABLE 19 MLLDPE MARKET, BY REGION, 2023–2028 (KILOTON)

### **7.3 METALLOCENE HIGH DENSITY POLYETHYLENE (MHDPE)**

#### **7.3.1 SUITABILITY FOR INJECTION MOLDING TO DRIVE MARKET**

TABLE 20 MHDPE MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 21 MHDPE MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 22 MHDPE MARKET, BY REGION, 2019–2022 (KILOTON)

TABLE 23 MHDPE MARKET, BY REGION, 2023–2028 (KILOTON)

### **7.4 OTHER TYPES**

TABLE 24 OTHERS: MPE MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 25 OTHERS: MPE MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 26 OTHERS: MPE MARKET, BY REGION, 2019–2022 (KILOTON)

TABLE 27 OTHERS: MPE MARKET, BY REGION, 2023–2028 (KILOTON)

## **8 METALLOCENE POLYETHYLENE MARKET, BY APPLICATION**

### **8.1 INTRODUCTION**

FIGURE 27 FILMS TO GROW AT HIGHEST RATE DURING FORECAST PERIOD

TABLE 28 METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 29 METALLOCENE POLYETHYLENE MARKET, BY APPLICATION,  
2023–2028 (USD MILLION)

TABLE 30 METALLOCENE POLYETHYLENE MARKET, BY APPLICATION,  
2019–2022 (KILOTON)

TABLE 31 METALLOCENE POLYETHYLENE MARKET, BY APPLICATION,  
2023–2028 (KILOTON)

#### 8.1.1 FILMS

8.1.1.1 Increase in use for packaging applications to drive market

TABLE 32 METALLOCENE POLYETHYLENE MARKET IN FILMS, BY REGION,  
2019–2022 (USD MILLION)

TABLE 33 METALLOCENE POLYETHYLENE MARKET IN FILMS, BY REGION,  
2023–2028 (USD MILLION)

TABLE 34 METALLOCENE POLYETHYLENE MARKET IN FILMS, BY REGION,  
2019–2022 (KILOTON)

TABLE 35 METALLOCENE POLYETHYLENE MARKET IN FILMS, BY REGION,  
2023–2028 (KILOTON)

#### 8.1.2 SHEETS

8.1.2.1 Water resistance and tear resistance properties to drive market

TABLE 36 METALLOCENE POLYETHYLENE MARKET IN SHEETS, BY REGION,  
2019–2022 (USD MILLION)

TABLE 37 METALLOCENE POLYETHYLENE MARKET IN SHEETS, BY REGION,  
2023–2028 (USD MILLION)

TABLE 38 METALLOCENE POLYETHYLENE MARKET IN SHEETS, BY REGION,  
2019–2022 (KILOTON)

TABLE 39 METALLOCENE POLYETHYLENE MARKET IN SHEETS, BY REGION,  
2023–2028 (KILOTON)

#### 8.1.3 INJECTION MOLDING

8.1.3.1 Wide usage in manufacturing various automotive components to drive market

TABLE 40 METALLOCENE POLYETHYLENE MARKET IN INJECTION MOLDING, BY  
REGION, 2019–2022 (USD MILLION)

TABLE 41 METALLOCENE POLYETHYLENE MARKET IN INJECTION MOLDING, BY  
REGION, 2023–2028 (USD MILLION)

TABLE 42 METALLOCENE POLYETHYLENE MARKET IN INJECTION MOLDING, BY  
REGION, 2019–2022 (KILOTON)

TABLE 43 METALLOCENE POLYETHYLENE MARKET IN INJECTION MOLDING, BY  
REGION, 2023–2028 (KILOTON)

#### 8.1.4 EXTRUSION COATING

8.1.4.1 Use for medical equipment packaging to drive market

TABLE 44 METALLOCENE POLYETHYLENE MARKET IN EXTRUSION COATING,

BY REGION, 2019–2022 (USD MILLION)

TABLE 45 METALLOCENE POLYETHYLENE MARKET IN EXTRUSION COATING,  
BY REGION, 2023–2028 (USD MILLION)

TABLE 46 METALLOCENE POLYETHYLENE MARKET IN EXTRUSION COATING,  
BY REGION, 2019–2022 (KILOTON)

TABLE 47 METALLOCENE POLYETHYLENE MARKET IN EXTRUSION COATING,  
BY REGION, 2023–2028 (KILOTON)

#### 8.1.5 OTHER APPLICATIONS

TABLE 48 METALLOCENE POLYETHYLENE MARKET IN OTHER APPLICATIONS,  
BY REGION, 2019–2022 (USD MILLION)

TABLE 49 METALLOCENE POLYETHYLENE MARKET IN OTHER APPLICATIONS,  
BY REGION, 2023–2028 (USD MILLION)

TABLE 50 METALLOCENE POLYETHYLENE MARKET IN OTHER APPLICATIONS,  
BY REGION, 2019–2022 (KILOTON)

TABLE 51 METALLOCENE POLYETHYLENE MARKET IN OTHER APPLICATIONS,  
BY REGION, 2023–2028 (KILOTON)

## **9 METALLOCENE POLYETHYLENE MARKET, BY CATALYST TYPE**

### 9.1 INTRODUCTION

### 9.2 ZIRCONOCENE

#### 9.2.1 ZIRCONOCENE OFFERS DISTINGUISHING CHARACTERISTICS

### 9.3 FERROCENE

#### 9.3.1 FERROCENE CAREFULLY CONTROLS POLYMERIZATION PROCESS

### 9.4 TETANOCENE

#### 9.4.1 TETANOCENE FINDS APPLICATION IN DIFFERENT SECTORS

### 9.5 OTHER CATALYST TYPES

## **10 METALLOCENE POLYETHYLENE MARKET, BY END-USE INDUSTRY**

### 10.1 INTRODUCTION

### 10.2 PACKAGING

#### 10.2.1 WIDE USAGE IN FLEXIBLE PACKAGING TO DRIVE MARKET

### 10.3 FOOD & BEVERAGES

#### 10.3.1 USE OF SPECIFIC MPE VARIANTS IN INDUSTRY TO DRIVE MARKET

### 10.4 AUTOMOTIVE

10.4.1 SUITABILITY FOR USE IN VARIETY OF AUTOMOTIVE APPLICATIONS TO  
DRIVE MARKET

### 10.5 BUILDING & CONSTRUCTION

- 10.5.1 USE FOR THERMAL AND SOUND INSULATION TO DRIVE MARKET
- 10.6 AGRICULTURE
  - 10.6.1 SUITABILITY FOR USE IN GREENHOUSE FILMS TO DRIVE MARKET
- 10.7 HEALTHCARE
  - 10.7.1 USE IN PRESERVATION OF STERILITY OF MEDICAL EQUIPMENT TO DRIVE MARKET
- 10.8 OTHER END-USE INDUSTRIES

## **11 METALLOCENE POLYETHYLENE MARKET, BY REGION**

### **11.1 INTRODUCTION**

FIGURE 28 INDIA & CHINA TO BE EMERGING MARKETS FOR MPE DURING FORECAST PERIOD

TABLE 52 METALLOCENE POLYETHYLENE MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 53 METALLOCENE POLYETHYLENE MARKET, BY REGION, 2023–2028 (USD MILLION)

TABLE 54 METALLOCENE POLYETHYLENE MARKET, BY REGION, 2019–2022 (KILOTON)

TABLE 55 METALLOCENE POLYETHYLENE MARKET, BY REGION, 2023–2028 (KILOTON)

### **11.2 ASIA PACIFIC**

#### **11.2.1 RECESSION IMPACT**

FIGURE 29 ASIA PACIFIC: METALLOCENE POLYETHYLENE MARKET SNAPSHOT

TABLE 56 ASIA PACIFIC: METALLOCENE POLYETHYLENE MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 57 ASIA PACIFIC: METALLOCENE POLYETHYLENE MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 58 ASIA PACIFIC: METALLOCENE POLYETHYLENE MARKET, BY COUNTRY, 2019–2022 (KILOTON)

TABLE 59 ASIA PACIFIC: METALLOCENE POLYETHYLENE MARKET, BY COUNTRY, 2023–2028 (KILOTON)

TABLE 60 ASIA PACIFIC: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 61 ASIA PACIFIC: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 62 ASIA PACIFIC: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 63 ASIA PACIFIC: METALLOCENE POLYETHYLENE MARKET, BY

## APPLICATION, 2023–2028 (KILOTON)

TABLE 64 ASIA PACIFIC: METALLOCENE POLYETHYLENE MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 65 ASIA PACIFIC: METALLOCENE POLYETHYLENE MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 66 ASIA PACIFIC: METALLOCENE POLYETHYLENE MARKET, BY TYPE, 2019–2022 (KILOTON)

TABLE 67 ASIA PACIFIC: METALLOCENE POLYETHYLENE MARKET, BY TYPE, 2023–2028 (KILOTON)

## 11.2.2 CHINA

11.2.2.1 Increase in production of various types of polyethylene to drive market

TABLE 68 CHINA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 69 CHINA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 70 CHINA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 71 CHINA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (KILOTON)

## 11.2.3 JAPAN

11.2.3.1 Significant use in plastic industry to drive market

TABLE 72 JAPAN: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 73 JAPAN: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 74 JAPAN: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 75 JAPAN: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (KILOTON)

## 11.2.4 INDIA

11.2.4.1 Packaging industry to drive market

TABLE 76 INDIA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 77 INDIA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 78 INDIA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 79 INDIA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (KILOTON)

### 11.2.5 SOUTH KOREA

#### 11.2.5.1 Large-scale export of plastics to drive market

TABLE 80 SOUTH KOREA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 81 SOUTH KOREA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 82 SOUTH KOREA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 83 SOUTH KOREA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (KILOTON)

### 11.2.6 MALAYSIA

#### 11.2.6.1 Increase in consumption of flexible plastics to drive market

TABLE 84 MALAYSIA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 85 MALAYSIA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 86 MALAYSIA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 87 MALAYSIA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (KILOTON)

### 11.2.7 INDONESIA

#### 11.2.7.1 Innovation of mPE films to drive market

TABLE 88 INDONESIA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 89 INDONESIA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 90 INDONESIA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 91 INDONESIA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (KILOTON)

### 11.2.8 REST OF ASIA PACIFIC

TABLE 92 REST OF ASIA PACIFIC: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 93 REST OF ASIA PACIFIC: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 94 REST OF ASIA PACIFIC: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 95 REST OF ASIA PACIFIC: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (KILOTON)

## 11.3 NORTH AMERICA

### 11.3.1 RECESSION IMPACT

#### FIGURE 30 NORTH AMERICA: METALLOCENE POLYETHYLENE MARKET SNAPSHOT

TABLE 96 NORTH AMERICA: METALLOCENE POLYETHYLENE MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 97 NORTH AMERICA: METALLOCENE POLYETHYLENE MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 98 NORTH AMERICA: METALLOCENE POLYETHYLENE MARKET, BY COUNTRY, 2019–2022 (KILOTON)

TABLE 99 NORTH AMERICA: METALLOCENE POLYETHYLENE MARKET, BY COUNTRY, 2023–2028 (KILOTON)

TABLE 100 NORTH AMERICA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 101 NORTH AMERICA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 102 NORTH AMERICA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 103 NORTH AMERICA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (KILOTON)

TABLE 104 NORTH AMERICA: METALLOCENE POLYETHYLENE MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 105 NORTH AMERICA: METALLOCENE POLYETHYLENE MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 106 NORTH AMERICA: METALLOCENE POLYETHYLENE MARKET, BY TYPE, 2019–2022 (KILOTON)

TABLE 107 NORTH AMERICA: METALLOCENE POLYETHYLENE MARKET, BY TYPE, 2023–2028 (KILOTON)

### 11.3.2 US

11.3.2.1 Growth of packaging, solar power generation, and automotive industries to drive market

TABLE 108 US: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 109 US: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 110 US: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 111 US: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (KILOTON)



### 11.3.3 CANADA

11.3.3.1 Rise in demand from diverse industries and sustainability efforts to drive market

TABLE 112 CANADA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 113 CANADA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 114 CANADA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 115 CANADA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (KILOTON)

### 11.3.4 MEXICO

11.3.4.1 Enhanced properties, industry leaders, and sustainability focus to drive market

TABLE 116 MEXICO: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 117 MEXICO: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 118 MEXICO: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 119 MEXICO: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (KILOTON)

## 11.4 EUROPE

### 11.4.1 RECESSION IMPACT

FIGURE 31 EUROPE: METALLOCENE POLYETHYLENE MARKET SNAPSHOT

TABLE 120 EUROPE: METALLOCENE POLYETHYLENE MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 121 EUROPE: METALLOCENE POLYETHYLENE MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 122 EUROPE: METALLOCENE POLYETHYLENE MARKET, BY COUNTRY, 2019–2022 (KILOTON)

TABLE 123 EUROPE: METALLOCENE POLYETHYLENE MARKET, BY COUNTRY, 2023–2028 (KILOTON)

TABLE 124 EUROPE: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 125 EUROPE: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 126 EUROPE: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 127 EUROPE: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (KILOTON)

TABLE 128 EUROPE: METALLOCENE POLYETHYLENE MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 129 EUROPE: METALLOCENE POLYETHYLENE MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 130 EUROPE: METALLOCENE POLYETHYLENE MARKET, BY TYPE, 2019–2022 (KILOTON)

TABLE 131 EUROPE: METALLOCENE POLYETHYLENE MARKET, BY TYPE, 2023–2028 (KILOTON)

#### 11.4.2 GERMANY

11.4.2.1 Growing industrial and economic rebalance to drive demand

TABLE 132 GERMANY: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 133 GERMANY: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 134 GERMANY: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 135 GERMANY: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (KILOTON)

#### 11.4.3 ITALY

11.4.3.1 Diverse industry applications to drive market

TABLE 136 ITALY: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 137 ITALY: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 138 ITALY: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 139 ITALY: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (KILOTON)

#### 11.4.4 FRANCE

11.4.4.1 Versatile applications to drive growth in diverse industries

TABLE 140 FRANCE: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 141 FRANCE: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 142 FRANCE: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 143 FRANCE: METALLOCENE POLYETHYLENE MARKET, BY

## APPLICATION, 2023–2028 (KILOTON)

### 11.4.5 UK

11.4.5.1 Rise in demand from automotive and medical industries to drive market

TABLE 144 UK: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 145 UK: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 146 UK: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 147 UK: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (KILOTON)

### 11.4.6 RUSSIA

11.4.6.1 Rise in demand for packaging films in food & beverages industry to drive market

TABLE 148 RUSSIA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 149 RUSSIA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 150 RUSSIA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 151 RUSSIA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (KILOTON)

### 11.4.7 REST OF EUROPE

TABLE 152 REST OF EUROPE: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 153 REST OF EUROPE: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 154 REST OF EUROPE: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 155 REST OF EUROPE: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (KILOTON)

## 11.5 MIDDLE EAST & AFRICA

### 11.5.1 RECESSION IMPACT

TABLE 156 MIDDLE EAST & AFRICA: METALLOCENE POLYETHYLENE MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 157 MIDDLE EAST & AFRICA: METALLOCENE POLYETHYLENE MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 158 MIDDLE EAST & AFRICA: METALLOCENE POLYETHYLENE MARKET, BY COUNTRY, 2019–2022 (KILOTON)

TABLE 159 MIDDLE EAST & AFRICA: METALLOCENE POLYETHYLENE MARKET, BY COUNTRY, 2023–2028 (KILOTON)

TABLE 160 MIDDLE EAST & AFRICA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 161 MIDDLE EAST & AFRICA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 162 MIDDLE EAST & AFRICA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 163 MIDDLE EAST & AFRICA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (KILOTON)

TABLE 164 MIDDLE EAST & AFRICA: METALLOCENE POLYETHYLENE MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 165 MIDDLE EAST & AFRICA: METALLOCENE POLYETHYLENE MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 166 MIDDLE EAST & AFRICA: METALLOCENE POLYETHYLENE MARKET, BY TYPE, 2019–2022 (KILOTON)

TABLE 167 MIDDLE EAST & AFRICA: METALLOCENE POLYETHYLENE MARKET, BY TYPE, 2023–2028 (KILOTON)

#### 11.5.2 TURKEY

11.5.2.1 Shift toward eco-friendly packaging to drive market

TABLE 168 TURKEY: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 169 TURKEY: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 170 TURKEY: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 171 TURKEY: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (KILOTON)

#### 11.5.3 IRAN

11.5.3.1 Developments in infrastructure sector to drive market

TABLE 172 IRAN: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 173 IRAN: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 174 IRAN: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 175 IRAN: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (KILOTON)

#### 11.5.4 SAUDI ARABIA

11.5.4.1 Development and innovations in various industries to drive demand  
TABLE 176 SAUDI ARABIA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 177 SAUDI ARABIA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 178 SAUDI ARABIA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 179 SAUDI ARABIA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (KILOTON)

#### 11.5.5 UAE

11.5.5.1 Use in diverse industrial applications to drive market  
TABLE 180 UAE: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 181 UAE: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 182 UAE: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 183 UAE: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (KILOTON)

#### 11.5.6 SOUTH AFRICA

11.5.6.1 Industrial development and innovation to drive demand  
TABLE 184 SOUTH AFRICA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 185 SOUTH AFRICA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 186 SOUTH AFRICA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 187 SOUTH AFRICA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (KILOTON)

#### 11.5.7 REST OF MIDDLE EAST & AFRICA

TABLE 188 REST OF MIDDLE EAST & AFRICA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 189 REST OF MIDDLE EAST & AFRICA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 190 REST OF MIDDLE EAST & AFRICA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 191 REST OF MIDDLE EAST & AFRICA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (KILOTON)

#### 11.6 SOUTH AMERICA

### 11.6.1 RECESSION IMPACT

TABLE 192 SOUTH AMERICA: METALLOCENE POLYETHYLENE MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 193 SOUTH AMERICA: METALLOCENE POLYETHYLENE MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 194 SOUTH AMERICA: METALLOCENE POLYETHYLENE MARKET, BY COUNTRY, 2019–2022 (KILOTON)

TABLE 195 SOUTH AMERICA: METALLOCENE POLYETHYLENE MARKET, BY COUNTRY, 2023–2028 (KILOTON)

TABLE 196 SOUTH AMERICA: METALLOCENE POLYETHYLENE MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 197 SOUTH AMERICA: METALLOCENE POLYETHYLENE MARKET, BY TYPE, 2023–2028 (USD MILLION)

TABLE 198 SOUTH AMERICA: METALLOCENE POLYETHYLENE MARKET, BY TYPE, 2019–2022 (KILOTON)

TABLE 199 SOUTH AMERICA: METALLOCENE POLYETHYLENE MARKET, BY TYPE, 2023–2028 (KILOTON)

TABLE 200 SOUTH AMERICA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 201 SOUTH AMERICA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 202 SOUTH AMERICA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 203 SOUTH AMERICA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (KILOTON)

### 11.6.2 BRAZIL

11.6.2.1 Increase in demand in diverse industries to drive market

TABLE 204 BRAZIL: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 205 BRAZIL: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 206 BRAZIL: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 207 BRAZIL: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (KILOTON)

### 11.6.3 ARGENTINA

11.6.3.1 Increase in demand for flexible packaging and rigid plastics to drive market

TABLE 208 ARGENTINA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)



TABLE 209 ARGENTINA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 210 ARGENTINA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 211 ARGENTINA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (KILOTON)

#### 11.6.4 CHILE

##### 11.6.4.1 Packaging industry to drive demand

TABLE 212 CHILE: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 213 CHILE: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 214 CHILE: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 215 CHILE: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (KILOTON)

#### 11.6.5 REST OF SOUTH AMERICA

TABLE 216 REST OF SOUTH AMERICA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 217 REST OF SOUTH AMERICA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

TABLE 218 REST OF SOUTH AMERICA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 219 REST OF SOUTH AMERICA: METALLOCENE POLYETHYLENE MARKET, BY APPLICATION, 2023–2028 (KILOTON)

## 12 COMPETITIVE LANDSCAPE

### 12.1 OVERVIEW

#### 12.2 KEY PLAYER STRATEGIES

TABLE 220 OVERVIEW OF STRATEGIES ADOPTED BY METALLOCENE POLYETHYLENE MANUFACTURERS

#### 12.3 REVENUE ANALYSIS

12.3.1 REVENUE ANALYSIS OF TOP PLAYERS IN METALLOCENE POLYETHYLENE MARKET

FIGURE 32 TOP PLAYERS – REVENUE ANALYSIS (2019–2022)

#### 12.4 MARKET SHARE ANALYSIS: METALLOCENE POLYETHYLENE

##### 12.4.1 RANKING OF KEY MARKET PLAYERS, 2022

FIGURE 33 RANKING OF TOP FIVE PLAYERS IN METALLOCENE POLYETHYLENE



**MARKET, 2022****12.5 COMPANY EVALUATION MATRIX, 2022****12.5.1 STARS****12.5.2 EMERGING LEADERS****12.5.3 PERVASIVE PLAYERS****12.5.4 PARTICIPANTS****FIGURE 34 COMPANY EVALUATION MATRIX, 2022****12.6 COMPETITIVE BENCHMARKING****12.6.1 COMPANY FOOTPRINT ANALYSIS****FIGURE 35 METALLOCENE POLYETHYLENE MARKET: COMPANY FOOTPRINT****TABLE 221 COMPANY APPLICATION FOOTPRINT, 2022****TABLE 222 COMPANY END-USE INDUSTRY FOOTPRINT, 2022****TABLE 223 COMPANY REGION FOOTPRINT, 2022****12.7 COMPETITIVE SCENARIO****TABLE 224 METALLOCENE POLYETHYLENE MARKET: PRODUCT LAUNCHES, 2017–2022****TABLE 225 METALLOCENE POLYETHYLENE MARKET: DEALS, 2017–2022****TABLE 226 METALLOCENE POLYETHYLENE MARKET: OTHERS, 2017–2022****13 COMPANY PROFILES**

(Business Overview, Products/Services/Solutions Offered, MnM View, Key Strengths and Right to Win, Strategic Choices Made, Weaknesses and Competitive Threats, Recent Developments)\*

**13.1 THE DOW CHEMICAL COMPANY****TABLE 227 THE DOW CHEMICAL COMPANY: COMPANY OVERVIEW****FIGURE 36 THE DOW CHEMICAL COMPANY: COMPANY SNAPSHOT****13.2 EXXON MOBIL CORPORATION****TABLE 228 EXXON MOBIL CORPORATION: COMPANY OVERVIEW****FIGURE 37 EXXON MOBIL CORPORATION: COMPANY SNAPSHOT****13.3 LYONDELLBASELL INDUSTRIES HOLDINGS B.V.****TABLE 229 LYONDELLBASELL INDUSTRIES HOLDINGS B.V.: COMPANY OVERVIEW****FIGURE 38 LYONDELLBASELL INDUSTRIES HOLDINGS B.V.: COMPANY SNAPSHOT****13.4 TOTAL ENERGIES****TABLE 230 TOTAL ENERGIES: COMPANY OVERVIEW****FIGURE 39 TOTAL ENERGIES: COMPANY SNAPSHOT****13.5 SABIC**

TABLE 231 SABIC: COMPANY OVERVIEW

FIGURE 40 SABIC: COMPANY SNAPSHOT

13.6 INEOS

TABLE 232 INEOS: COMPANY OVERVIEW

FIGURE 41 INEOS: COMPANY SNAPSHOT

13.7 BOREALIS AG

TABLE 233 BOREALIS AG: COMPANY OVERVIEW

FIGURE 42 BOREALIS AG: COMPANY SNAPSHOT

13.8 PRIME POLYMER CO., LTD.

TABLE 234 PRIME POLYMER CO., LTD.: COMPANY OVERVIEW

13.8.2 PRODUCTS/SOLUTIONS/SERVICES OFFERED

13.9 NOVA CHEMICALS CORPORATION

TABLE 235 NOVA CHEMICAL CORPORATION: COMPANY OVERVIEW

13.10 BRASKEM

TABLE 236 BRASKEM: COMPANY OVERVIEW

FIGURE 43 BRASKEM: COMPANY SNAPSHOT

13.11 MITSUI & CO., LTD

TABLE 237 MITSUI & CO., LTD.: COMPANY OVERVIEW

FIGURE 44 MITSUI & CO., LTD.: COMPANY SNAPSHOT

13.12 CHEVRON PHILLIPS CHEMICAL COMPANY LLC

TABLE 238 CHEVRON PHILLIPS CHEMICAL COMPANY LLC.: COMPANY OVERVIEW

13.13 DAELIM CO., LTD.

TABLE 239 DAELIM CO., LTD.: COMPANY OVERVIEW

13.14 W. R. GRACE & CO.

TABLE 240 W. R. GRACE & CO.: COMPANY OVERVIEW

13.15 REPSOL

TABLE 241 REPSOL: COMPANY OVERVIEW

FIGURE 45 REPSOL: COMPANY SNAPSHOT

13.16 GAIL

TABLE 242 GAIL: COMPANY OVERVIEW

FIGURE 46 GAIL: COMPANY SNAPSHOT

13.17 LG CHEM

TABLE 243 LG CHEM: COMPANY OVERVIEW

FIGURE 47 LG CHEM: COMPANY SNAPSHOT

13.18 UBE CORPORATION

TABLE 244 UBE CORPORATION: COMPANY OVERVIEW

FIGURE 48 UBE CORPORATION: COMPANY SNAPSHOT

13.19 SUMITOMO CHEMICAL CO., LTD

TABLE 245 SUMITOMO CHEMICAL CO., LTD.: COMPANY OVERVIEW

FIGURE 49 SUMITOMO CHEMICAL CO., LTD: COMPANY SNAPSHOT

\*Business Overview, Products/Services/Solutions Offered, MnM View, Key Strengths and Right to Win, Strategic Choices Made, Weaknesses and Competitive Threats, Recent Developments might not be captured in case of unlisted companies.

## **14 APPENDIX**

14.1 DISCUSSION GUIDE

14.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

14.3 CUSTOMIZATION OPTIONS

14.4 RELATED REPORTS

14.5 AUTHOR DETAILS

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