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presents

CURRENT CHALLENGES FOR POLYETHYLENE MARKET AND PROJECTS

Expert Insights for your industries

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Chapter 1

PURPOSE OF THIS PAPER

In this paper the market for Polyethylene in the coming years will be analyzed with consideration of the unexpected impact of the Corona virus and the ban of single use plastics.

Polyethylene and Polypropylene are the most widely used plastic resins, with market sizes of over 100 million tons per year for Polyethylene and over 75 million MTA for Polypropylene. Historically both polymers have been growing at rates of 4 % to 6 % CAGR.

However, currently the markets and the outstanding growth rates are challenged by several factors:

- Corona Virus
- Ban on single use plastic in several countries
- Downturn in car industry
- Oversupply by second wave of crackers
- Margins Decline for Polyethylene plants

Chapter 2

POLYETHYLENE WORLD MARKET

In 2018 the Polyethylene market reached 99.6 million MTA with a value of over 100 billion USD. Approximately 2/3 of the ethylene production is used for Polyethylene, split into 3 products.

HDPE is the most important Polyethylene resin (58.4 % share of production)

followed by LLDPE (37.7 % share of production) and LDPE. Drivers for the growth are the use in in packaging e.g. containers, bottles, houseware and film, with a strongest increase in emerging countries, fueled by growing middle class. The market share by end uses is shown in Fig. 1.

