

2018-2023 Global Polybenzimidazoles (PBI) Consumption Market Report

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Abstracts

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In this report, LP Information covers the present scenario (with the base year being 2017) and the growth prospects of global Polybenzimidazoles (PBI) market for 2018-2023.

Polybenzimidazoles (PBI, short for Poly-[2, 2'-(m-phenylene)-5, 5'-bisbenzimidazole]) is a kind polymer with benzo heterocyclic rigid chain. PBI is generally obtained from the condensation and cyclization of aromatic amine and diphenyl phthalate, reacting in molten state or in strong polar solvents. PBI is used in the military industry at its beginning, now the applications have covered semiconductor, membranes, petrochemical and many other fields.

Because PBI is always used after post-dealing followed the copolymerization process. When PBI is being used as the material base of parts of the planes, electric devices or other product, it is usually not bought PBI resin, but the PBI bulk mold. Thus, this work is focused on the PBI molding products.

PBI was developed by the United States military in the beginning. The industrial process to fabricate PBI is complicated requiring high technology. Hence, the PBI industry is a highly monopolized one that there is only a single company located in United States who can synthesize PBI polymer from monomers. The product of this company (PBI Performance Product) is the original material of the other three companies for further molding: QUADRNT, PBI Advanced Materials and Polymics.

Polybenzimidazoles (PBI) is high-performance engineering plastic for the unique properties such as: excellent thermal stability, broad chemical resistance and unique compatibility with certain other polymers. Therefore, it has a wide range of potential applications covering aerospace, industrial, petrochemical, semiconductor, membrane and coating areas. However, since the cost is not affordable for many products, PBI is

mainly used in the irreplaceable fields or the industry of strict requirement regardless of cost.

Generally, the industrial production is still in charged by PBI Performance Product who obtained the technology from NASA and the military, while, the study is rather wide among the research commitment. Especially, the Chinese researchers frequently disclaim they are discovering the many PBI series products showing incredible properties. But, there's surely a long way for others except US to achieve bath production.

Over the next five years, LPI(LP Information) projects that Polybenzimidazoles (PBI) will register a xx% CAGR in terms of revenue, reach US\$ xx million by 2023, from US\$ xx million in 2017.

This report presents a comprehensive overview, market shares, and growth opportunities of Polybenzimidazoles (PBI) market by product type, application, key manufacturers and key regions.

To calculate the market size, LP Information considers value and volume generated from the sales of the following segments:

Segmentation by product type:

U-Series

T-Series

Segmentation by application:

Aerospace

Industrial

Petro/chemical

Semiconductor

Membrane

Other applications

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Spain

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The report also presents the market competition landscape and a corresponding detailed analysis of the major vendor/manufacturers in the market. The key manufacturers covered in this report:

Quadrant

PBI Advanced Materials

Polymics

In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key manufacturers and the market as a whole. It also analyzes key emerging trends and their impact on present and future development.

RESEARCH OBJECTIVES

To study and analyze the global Polybenzimidazoles (PBI) consumption (value & volume) by key regions/countries, product type and application, history data from 2013 to 2017, and forecast to 2023.

To understand the structure of Polybenzimidazoles (PBI) market by identifying its various subsegments.

Focuses on the key global Polybenzimidazoles (PBI) manufacturers, to define, describe and analyze the sales volume, value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the Polybenzimidazoles (PBI) with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the consumption of Polybenzimidazoles (PBI) submarkets, with respect to key regions (along with their respective key countries).

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.

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