

PET & PBT Resins - Company Evaluation Report, 2024

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Report description:

The PET RESIN MARKET Companies Quadrant is a comprehensive industry analysis that provides valuable insights into the global market for PET RESIN MARKET. This quadrant offers a detailed evaluation of key market players, technological advancements, product innovations, and emerging trends shaping the industry. MarketsandMarkets 360 Quadrants evaluated over 100 companies, of which the Top 12 PET RESIN MARKET Companies were categorized and recognized as quadrant leaders.

Polyethylene terephthalate (PET) resin is a thermoplastic polymer formed through the polymerization of ethylene glycol and terephthalic acid. Ethylene glycol is a colorless liquid derived from ethylene, while terephthalic acid is a crystalline solid obtained from xylene. PET resins exhibit excellent thermal stability, low moisture absorption, resistance to creep, and favorable electrical and surface characteristics. Known for its mechanical strength, ductility, stiffness, and hardness, PET offers dimensional stability along with strong gas barrier and chemical resistance properties. Due to these features, PET resin is predominantly used in the production of beverage, food, and other liquid containers. It is also widely applied in food packaging and thermal insulation products such as space blankets.

Polybutylene terephthalate (PBT) is a semi-crystalline thermoplastic polymer synthesized from the polymerization of butylene glycol with either terephthalic acid or dimethyl terephthalate. Compared to PET, PBT has slightly lower strength and rigidity, as well as a lower glass transition temperature. Both PET and PBT are susceptible to degradation in hot water exceeding 60C (140F). PBT, however, is mechanically robust, heat resistant up to 150C (302F), resistant to solvents, and exhibits minimal shrinkage during molding. It can also be modified with flame retardants to become noncombustible. PBT resin is used in the production of automotive components, computer keyboards, fluid handling systems, electrical connectors, consumer appliances, and industrial controls. Additionally, PBT finds applications in medical devices and industrial components such as fluorescent lamp bases, streetlamp reflectors, pump housings and impellers, filter media, monofilaments, and various packaging materials.

The 360 Quadrant maps the PET RESIN MARKET companies based on criteria such as revenue, geographic presence, growth strategies, investments, and sales strategies for the market presence of the PET RESIN MARKET quadrant. The top criteria for product footprint evaluation included By TYPE (Transparent & Non-Transparent Pet, Recycled Pet, Bottles, Films, Food Packaging, Other PET Resin Applications, Electrical & Electronics, Automotive, Consumer Appliances, Other PBT Resin Applications).

Key players

Key players in the PET RESIN MARKET include major global corporations and specialized innovators such as BASF, Albemarle

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Corporation, Honeywell International Inc., Clariant, Arkema, W. R. Grace & Co.-Conn., Huiying Chemical Industry (Xiamen) Co., Ltd., Tosoh Corporation, Resonac Universal Corporation, Zeochem, KNT Group, Nalco India, CWK Chemiewerk Bad Kostritz GmbH, Ecovyst Inc., and Antenchem. These companies are actively investing in research and development, forming strategic partnerships, and engaging in collaborative initiatives to drive innovation, expand their global footprint, and maintain a competitive edge in this rapidly evolving market.

Top 3 Companies

Indorama Ventures Public Company Limited

As a global leader in PET resin manufacturing and recycling, Indorama Ventures plays a critical role in the market. Operating through segments like Combined PET, the company emphasizes eco-friendly practices with a significant global footprint across 26 countries. Indorama Ventures achieves substantial market share through strategic initiatives and its expansive product portfolio, reinforcing its commitment to sustainable manufacturing and recycling practices.

Mitsubishi Chemical Group Corporation

A subsidiary of Mitsubishi Chemical Holdings, Mitsubishi Chemical Group Corporation is prominent in Specialty Materials. With a global presence supported by 44 plants, their focus on product innovation in PBT and PET resins positions them as a leader. They leverage strong R&D capabilities to meet diverse industry requirements, thus fortifying their company positioning in the market.

SABIC

Founded in 1976, SABIC distinguishes itself with a robust product portfolio across petrochemicals and industrial polymers. Their focus on high-performance PET & PBT resins for applications in medical and electronics sectors, and their strong emphasis on sustainability initiatives, sets them apart. SABIC's innovative strategies have earned it a competitive market share and a leading position in product technology.

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