

**Europe Plastic Waste Pyrolysis Oil Market - By Feedstock (LDPE, HDPE, Polypropylene (PP)), By Process (Fast, Flash, Slow), By End Use (Fuel, Chemicals, Heat & Power) & Forecast, 2024 - 2032**

Market Report | 2024-04-04 | 120 pages | Global Market Insights

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**Report description:**

Europe Plastic Waste Pyrolysis Oil Market size is projected to expand at 4.6% CAGR between 2024 and 2032, led by the increasing environmental concerns and stringent regulations aimed at reducing plastic waste. Multiple governments and organizations are focusing on sustainable waste management solutions. This is making way for advancements in pyrolysis technologies for enhancing the efficiency and scalability of converting plastic waste into valuable fuel, further making it economically viable.

In May 2024, BlueAlp and Recuperio Etico Sostenibile agreed to establish the first industrial-scale advanced recycling facility of Italy to process and convert 20 kilotons of mixed plastic waste per year. Such partnerships between companies and the launch of new recycling facilities will bolster the industry growth across Europe. The rising costs of traditional fossil fuels and the push for energy independence is also accelerating the product penetration. The growing awareness and adoption of circular economy principles for promoting recycling and waste-to-energy initiatives along with the increasing investments in R&D for innovations in pyrolysis processes are driving the market forward.

The overall market is categorized into feedstock, process, application, and country.

Based on feedstock, the market size from the polypropylene (PP) segment is anticipated to increase at notable rate between 2024 and 2032, due to high availability and widespread usage in various industries. The increasing recycling initiatives and regulatory pressures to reduce plastic waste are accelerating their penetration. Rapid advancements in pyrolysis technologies are also improving the yield and quality of pyrolysis oil derived from PP, further boosting the segment growth.

In terms of application, the Europe plastic waste pyrolysis oil industry from the heat and power segment is projected to showcase

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strong growth by 2032, driven by the rising need for sustainable energy solutions and the higher costs of traditional fuels. Pyrolysis oil offers a renewable alternative for heat and power generation for aligning with environmental regulations and carbon reduction goals. It also offers improved efficiency and reliability in industrial boilers and power plants.

France plastic waste pyrolysis oil market will reflect significant growth between 2024 and 2032. The stringent environmental regulations aimed at reducing plastic waste are promoting sustainable waste management practices in the country. The increasing awareness of the environmental impacts of plastic pollution is driving the demand for pyrolysis oil as an eco-friendly alternative. Innovative developments in pyrolysis technology and the launch of government incentives for renewable energy will positively influence the market growth trajectory in the region.

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