

Tire Pyrolysis Oil Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

Market Reprt | 2024-12-14 | 200 pages | Global Market Insights

AVAILABLE LICENSES:

- Single User \$4850.00
- Multi User \$6050.00
- Enterprise User \$8350.00

Report description:

The Global Tire Pyrolysis Oil Market, valued at USD 363.2 million in 2024, is projected to expand at a CAGR of 5.4% between 2025 and 2034. This growth is fueled by the increasing demand for sustainable alternatives and continuous advancements in waste management technologies. As industries shift toward environmentally friendly practices, tire pyrolysis oil (TPO), derived from the thermal decomposition of waste materials, is emerging as a viable solution for reducing carbon emissions and promoting a circular economy. Governments worldwide are introducing stringent regulations to curb landfill waste, further driving the adoption of TPO. The oil's ability to serve as a cost-effective and eco-friendly substitute for traditional fossil fuels is encouraging its widespread utilization across industries such as energy, manufacturing, and transportation.

The market is experiencing robust growth due to the integration of diverse feedstocks, with waste plastic and end-of-life tires at the forefront. Waste plastic, recognized for its high calorific content, is becoming a key raw material for TPO production. The segment is expected to reach USD 275.4 million by 2034, growing at a remarkable CAGR of 6.2%. End-of-life tires remain a dominant input, bolstered by widespread recycling initiatives designed to minimize environmental impact and reduce the accumulation of non-biodegradable materials in landfills. Additionally, feedstocks such as oil sludge, wood, and industrial residues are being incorporated into the pyrolysis process, broadening the range of raw materials and enhancing production efficiency.

Fast pyrolysis is leading the technological landscape, holding a 60.5% market share in 2024 and valued at USD 219.7 million. Its ability to deliver high oil yields efficiently while consuming less energy positions it as a preferred method for TPO production. Flash pyrolysis, which utilizes rapid heating technologies, is gaining traction for optimizing output quality and process efficiency. On the other hand, slow pyrolysis, though yielding lower oil volumes, continues to produce valuable byproducts such as char and steel, which have significant industrial applications.

The United States is emerging as a key player in the tire pyrolysis oil market, anticipated to reach USD 145.8 million by 2034 with a CAGR of 5.1%. Growth is driven by stringent environmental regulations, recycling mandates, and increased investments in

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

advanced pyrolysis systems. Government incentives to promote sustainable technologies and reduce carbon footprints are further encouraging the adoption of TPO across various sectors. As businesses focus on integrating green practices, the US market is poised to remain at the forefront of innovation and expansion in the global tire pyrolysis oil industry.

Table of Contents:

Report Content

Chapter 1 Methodology & Scope

- 1.1 Market scope & definition
- 1.2 Base estimates & calculations
- 1.3 Forecast calculation
- 1.4 Data sources
 - 1.4.1 Primary
 - 1.4.2 Secondary
 - 1.4.2.1 Paid sources
 - 1.4.2.2 Public sources

Chapter 2 Executive Summary

- 2.1 Industry synopsis, 2021-2034

Chapter 3 Industry Insights

- 3.1 Industry ecosystem analysis
 - 3.1.1 Factor affecting the value chain
 - 3.1.2 Profit margin analysis
 - 3.1.3 Disruptions
 - 3.1.4 Future outlook
 - 3.1.5 Manufacturers
 - 3.1.6 Distributors
- 3.2 Supplier landscape
- 3.3 Profit margin analysis
- 3.4 Key news & initiatives
- 3.5 Regulatory landscape
- 3.6 Impact forces
- 3.7 Industry impact forces
 - 3.7.1 Growth drivers
 - 3.7.1.1 Environmental concerns and waste disposal issues
 - 3.7.1.2 Rising fuel prices and economic benefits
 - 3.7.1.3 Versatility and adaptability in various applications
 - 3.7.2 Market challenges
 - 3.7.2.1 Technological limitations and production efficiency
- 3.8 Regulations & market impact
- 3.9 Porter's analysis
- 3.10 PESTEL analysis

Chapter 4 Competitive Landscape, 2024

- 4.1 Introduction
- 4.2 Company market share analysis
- 4.3 Competitive positioning matrix
- 4.4 Strategic outlook matrix

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Chapter 5 Market Size and Forecast, By Raw Material, 2021-2034 (USD Million) (Kilo Tons)

- 5.1 Key trends
- 5.2 Waste plastic
- 5.3 Waste rubber
- 5.4 Wood
- 5.5 Oil sludge
- 5.6 Others

Chapter 6 Market Size and Forecast, By Process, 2021-2034 (USD Million) (Kilo Tons)

- 6.1 Key trends
- 6.2 Fast pyrolysis
- 6.3 Flash pyrolysis
- 6.4 Slow pyrolysis

Chapter 7 Market Size and Forecast, By End Use, 2021-2034 (USD Million) (Kilo Tons)

- 7.1 Key trends
- 7.2 Chemicals
- 7.3 Fuel
- 7.4 Others

Chapter 8 Market Size and Forecast, By Region, 2021-2034 (USD Million) (Kilo Tons)

- 8.1 Key trends
- 8.2 North America
 - 8.2.1 U.S.
 - 8.2.2 Canada
- 8.3 Europe
 - 8.3.1 UK
 - 8.3.2 Germany
 - 8.3.3 France
 - 8.3.4 Italy
 - 8.3.5 Spain
 - 8.3.6 Russia
- 8.4 Asia Pacific
 - 8.4.1 China
 - 8.4.2 India
 - 8.4.3 Japan
 - 8.4.4 South Korea
 - 8.4.5 Australia
- 8.5 Latin America
 - 8.5.1 Brazil
 - 8.5.2 Mexico
- 8.6 MEA
 - 8.6.1 South Africa
 - 8.6.2 Saudi Arabia
 - 8.6.3 UAE

Chapter 9 Company Profiles

- 9.1 Alterra Energy
- 9.2 Bioenergy Ae Cote-Nord
- 9.3 Bridgestone Corporation
- 9.4 Ensyn

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 9.5 Green Fuel Nordic Oy
- 9.6 Mk Aromatics Limited
- 9.7 New Energy Kft.
- 9.8 New Hope Energy
- 9.9 Nexus Circular
- 9.10 Plastic Energy

□

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Tire Pyrolysis Oil Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

Market Reprt | 2024-12-14 | 200 pages | Global Market Insights

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User	\$4850.00
	Multi User	\$6050.00
	Enterprise User	\$8350.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-05"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

