

Australia Petroleum Coke Market Size Analysis Report - Market Share, Forecast Trends and Outlook (2025-2034)

Market Report | 2025-10-27 | 113 pages | EMR Inc.

AVAILABLE LICENSES:

- Single User License \$2999.00
- Five User License \$3999.00
- Corporate License \$4999.00

Report description:

Australia Petroleum Coke Market TrendsThe growth of the Australia petroleum coke market plays a vital role in driving economic development, creating employment opportunities in production, transportation, and distribution sectors. Petcoke provides an affordable fuel source for energy production and cement manufacturing and is crucial to industries like aluminium and steel production. The Australian Government's Department of Climate Change, Energy, the Environment and Water (DCCEEW) has issued emission factors for petroleum coke, with the emission intensity recorded at 3,176 kg CO₂e per tonne as of September 2023. The Australia petroleum coke market is further supported by the material's high calorific value, making it an ideal fuel for energy-intensive sectors such as cement production and power generation. Australia also benefits from export opportunities, with petcoke being exported to countries like China and India. Additionally, modern processing technologies have contributed to lowering emissions, improving the environmental profile of petcoke.

Australia Petroleum Coke Market GrowthThe Australia petroleum coke market revenue is impacted by local petcoke production, which strengthens the country's energy security by reducing dependence on foreign energy imports. This sector drives infrastructure development, including transport and port facilities, while generating employment in logistics, trade, and production. Australian petcoke producers benefit from low production costs, and technological advancements enable the extraction of higher-quality petcoke for various industries. Between 2022 and 2023, the fastest-growing export markets for Australian petroleum coke were the United Kingdom (USD 15.4M), South Korea (USD 1.23M), and Poland (USD 227K). Petcoke is a cost-effective alternative to coal in power generation and steel production, boosting opportunities in the Australia petroleum coke market. With cleaner technologies, it can support more sustainable energy solutions. Australia's strategic location in the Asia-Pacific region further enhances its global positioning, promoting petcoke exports.

Australia Petroleum Coke Market Insights- As per Parliament of Australia, Australia's petroleum coke market supports various industries, with imports valued at USD 506 million in 2022, primarily from the U.S. and China. This vital material is crucial for energy production and industrial sectors, especially steelmaking, cement production, and power generation. - Petroleum coke is a key component in Australia's steel manufacturing, where it accounts for 44% of the country's crude steel production. With a steelmaking capacity of 2.6 million tonnes per annum, petroleum coke is integral to maintaining efficient and cost-effective steel production. - In 2023, Australia exported USD 17.3 million in petroleum coke, ranking 57th globally

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

among 139 countries. Despite limited exports, the petroleum coke market plays a crucial role in industries like steel and cement. These exports contribute to Australia's manufacturing sector and energy needs.

Australia Petroleum Coke Market Drivers

Technological advancements in refining and processing methods are influencing the Australia petroleum coke market dynamics and trends. Innovations in cleaner, more efficient production techniques are helping reduce environmental impacts, addressing concerns over the fuel's high sulfur content and pollution potential. With global environmental regulations tightening, Australian producers are focusing on adopting advanced technologies that enable the production of higher-quality petcoke suitable for industries with stricter emission controls. These innovations not only enhance the market appeal of Australian petcoke but also make it a more sustainable option for industries worldwide. Additionally, advancements in exploration, production, and refining have improved efficiency and sustainability. Companies like Santos Ltd and Woodside Energy are investing in digital transformation and data analytics to optimise operations and reduce environmental impacts.

Opportunities in the Australia Petroleum Coke Market

As global environmental awareness increases, there is a growing trend towards incorporating carbon capture and storage (CCS) technologies within the Australia petroleum coke market. In Australia, industry participants are increasingly adopting sustainable practices to comply with both local and international regulations. The use of CCS technologies enables petcoke producers to offset emissions, supporting Australia's broader carbon reduction goals. This trend aligns with global efforts to transition to cleaner energy sources while still meeting the energy demands of industries. As a result, petcoke is evolving into a more environmentally friendly fuel option.

Market Restraints

The Australia petroleum coke market faces several restraints, including environmental concerns due to its high emissions and pollution. Fluctuating global prices tied to crude oil and coal markets can affect market stability. Health and safety risks from exposure to toxic materials, along with stricter regulations, increase operational costs. The rise of renewable energy and cleaner fuels may reduce petcoke demand in industries like power generation and cement. Additionally, transport and logistics challenges, including the need for specialised infrastructure, add costs. Public opposition and tighter government regulations on environmental standards could further hinder market growth, requiring companies to invest in cleaner technologies to comply. These factors limit the petcoke market's future expansion.

"Australia Petroleum Coke Market Report and Forecast 2025-2034"

offers a detailed analysis of the market based on the following segments:

- Market Breakup by Grade- Fuel Grade- Calcined Coke
- Market Breakup by Physical Form- Needle Coke- Sponge Coke- Catalyst Coke- Shot Coke- Purge Coke
- Market Breakup by End User- Power Plants- Cement Industry- Steel Industry- Aluminium Industry- Others
- Market Breakup by Region- New South Wales- Victoria- Queensland- Australian Capital Territory- Western Australia- Others

Australia Petroleum Coke Market Share

Market Analysis by Grade According to the Australia petroleum coke market analysis, the market is led by fuel grade petroleum coke is a cost-effective energy source for industries such as power generation and cement production in Australia. Its high calorific value makes it an attractive alternative to coal, providing cheaper fuel options. Additionally, local production supports energy security and reduces dependence on imported fuel, enhancing economic sustainability. The petrol fuel standard outlines the specifications for 91 Research Octane Number (RON) and 95 RON petrol. Additionally, 98 RON petrol must comply with the 95 RON standard.

Calcined petroleum coke

is essential in the production of aluminium, steel, and other industrial applications in Australia. It has high purity and is a critical input for manufacturing carbon electrodes used in these industries. Its demand in Australia boosts the economy by supporting industrial growth, creating jobs, and offering export opportunities.

Market Analysis by Physical Form

As per the Australia petroleum coke market report, the market is led by Sponge coke, primarily used in aluminium and steel production, as well as in chemical processes, plays an important role in Australia's industrial growth. Its porous structure is valuable for manufacturing high-quality carbon materials, supporting industrial expansion and creating job opportunities.

The growth of the Australia petroleum coke market

is driven by several factors. Needle coke is crucial for producing graphite electrodes used in electric arc furnaces for steel production. Its high-quality properties are vital for Australian industries, enhancing steel manufacturing processes. The increasing demand for steel in construction and infrastructure projects boosts the need for needle coke, benefiting the local economy.

Shot coke

, with its high carbon content, is essential for producing carbon anodes in aluminium production. It ensures efficient aluminium smelting operations in Australia. The growing demand for shot coke supports local industrial development and increases export prospects.

The development of the Australia petroleum coke market

is further supported by catalyst coke, produced during refining processes and used in catalytic cracking units to produce high-value fuels and chemicals. This supports Australia's refining sector, contributing to energy security and economic growth.

Purge coke

, a byproduct of refining, is used mainly in the chemical and cement industries. In Australia, it supports sustainable manufacturing practices by reducing waste and offering a

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

cost-effective alternative to other carbon sources. Its diverse applications enhance the local market and contribute to economic diversification. Market Analysis by End User The demand for the Australia petroleum coke market is driven by its cost-effectiveness as a fuel source for power plants, particularly in regions where other energy options are less economical. With its high calorific value, petcoke serves as an efficient alternative to coal for electricity generation, enhancing Australia's energy security and lowering operational costs for power producers. In 2022-23, Australia's total electricity generation rose by 1 per cent, reaching approximately 274 terawatt hours (988 petajoules), as demand grew across much of the country due to varying weather conditions throughout the year, with both warmer and cooler periods. The cement industry benefits from using petroleum coke as a low-cost, high-energy fuel in kiln operations. Its high carbon content meets the energy needs of cement production, improving operational efficiency and reducing reliance on more expensive fossil fuels. Opportunities in the Australia petroleum coke market are enhanced by its vital role in the steel industry, where petroleum coke serves as a key input in blast furnaces, supplying a high-carbon material for the reduction of iron ore. This supports efficient steel production, essential for infrastructure and manufacturing, strengthening Australia's industrial base and export potential. Australia produces around 5.7 million metric tonnes of steel annually, with over 1.5 million metric tonnes imported each year. Petroleum coke is also vital in the aluminium industry, where it is used to produce carbon anodes for aluminium smelting. In Australia, this contributes to cost-effective aluminium plant operations, supporting local production and opening export opportunities in the global aluminium market. Australia Petroleum Coke Market Regional Insights New South Wales Petroleum Coke Market Overview New South Wales benefits from consistent demand for petroleum coke in power generation, cement production, and steel manufacturing, fostering economic growth and supplying affordable fuel to local industries. Calcined Petroleum Coke (CPC), essential for producing anodes, is gradually consumed in pots over three weeks, with anodes produced onsite at smelters. Queensland Petroleum Coke Market Trends Queensland's petroleum coke market is fuelled by its use in energy production and industrial applications. Increased demand in the cement and aluminium industries supports local businesses, boosting economic stability and export prospects. As of June 2024, Queensland's installed generation capacity stands at approximately 17,000 megawatts, excluding rooftop photovoltaic systems. Western Australia Petroleum Coke Market Dynamics Western Australia's petroleum coke market flourishes because of its essential role in the mining and energy sectors. The state's strategic location enhances export potential, while local industries gain from affordable fuel for energy-intensive processes. Western Australia is the largest global supplier of iron ore, providing 98% of Australia's output. Competitive Landscape The Australia petroleum coke market key players operate across the full spectrum of the energy sector, encompassing exploration, production, refining, and renewable energy. They focus on refining, transportation, and marketing of petroleum products while investing in renewable energy projects to diversify their portfolios and reduce environmental impact. These companies are committed to sustainable growth and environmental responsibility. Key Industry Players BP Plc: BP Plc, headquartered in London, United Kingdom, was established in 1908. It is one of the world's largest oil and gas companies, operating across the entire energy sector, including exploration, production, refining, and renewable energy. BP focuses on advancing the transition to cleaner energy sources. Phillips 66 Company: Phillips 66, headquartered in Texas, United States was founded in 2012. The company operates in the energy and petrochemical sectors, focusing on refining, transportation, and marketing of petroleum products. It also invests in renewable energy projects, aiming to diversify its portfolio and reduce environmental impact. PJSC Lukoil: PJSC Lukoil, established in 1991 and headquartered in Moscow, Russia, is one of the largest oil and gas companies in the world. It operates across exploration, production, refining, and marketing of petroleum products and is focused on maintaining sustainable growth and environmental responsibility. Royal Dutch Shell Plc: Royal Dutch Shell Plc, headquartered in Netherlands, Europe, and established in 1907, is a global leader in the oil and gas industry. Shell is involved in all aspects of the energy sector, including renewable energy development, and is committed to reducing its carbon footprint while maintaining global energy security. Other key players in the Australia petroleum coke market report are Indian Oil Corporation Ltd., Valero Marketing and Supply Company, Essar, Integral Global Bulk Resources, Asbury Carbons, and SGS Societe Generale de Surveillance SA., among others. Recent Developments February 2025 The Australian Government announced two fuel quality changes effective from December 2025. The level of aromatic hydrocarbons in 95 RON petrol will be reduced to a maximum of 35% to address operability issues. Additionally, sulfur levels in all petrol grades (91 RON, 95 RON, and 98 RON) will be aligned with this change to ensure a smoother transition. February 2025 In collaboration with the National Measurement Institute (NMI), Australian Government monitored fuel quality across various sites in the national fuel supply chain. Inspectors visited fuel suppliers to sample and test fuel, assess documentation, inspect dispenser labelling, and ensure compliance with the Act's

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

requirements.

Table of Contents:

- 1 Executive Summary
 - 1.1 Market Size 2024-2025
 - 1.2 Market Growth 2025(F)-2034(F)
 - 1.3 Key Demand Drivers
 - 1.4 Key Players and Competitive Structure
 - 1.5 Industry Best Practices
 - 1.6 Recent Trends and Developments
 - 1.7 Industry Outlook
- 2 Market Overview and Stakeholder Insights
 - 2.1 Market Trends
 - 2.2 Key Verticals
 - 2.3 Key Regions/Countries
 - 2.4 Supplier Power
 - 2.5 Buyer Power
 - 2.6 Key Market Opportunities and Risks
 - 2.7 Key Initiatives by Stakeholders
- 3 Economic Summary
 - 3.1 GDP Outlook
 - 3.2 GDP Per Capita Growth
 - 3.3 Inflation Trends
 - 3.4 Democracy Index
 - 3.5 Gross Public Debt Ratios
 - 3.6 Balance of Payment (BoP) Position
 - 3.7 Population Outlook
 - 3.8 Urbanisation Trends
- 4 Country Risk Profiles
 - 4.1 Country Risk
 - 4.2 Business Climate
- 5 Asia Pacific Petroleum Coke Market Overview
 - 5.1 Key Industry Highlights
 - 5.2 Asia Pacific Petroleum Coke Historical Market (2018-2024)
 - 5.3 Asia Pacific Petroleum Coke Market Forecast (2025-2034)
- 6 Australia Petroleum Coke Market Overview
 - 6.1 Key Industry Highlights
 - 6.2 Australia Petroleum Coke Historical Market (2018-2024)
 - 6.3 Australia Petroleum Coke Market Forecast (2025-2034)
- 7 Australia Petroleum Coke Market by Grade
 - 7.1 Fuel Grade
 - 7.1.1 Historical Trend (2018-2024)
 - 7.1.2 Forecast Trend (2025-2034)
 - 7.2 Calcined Coke
 - 7.2.1 Historical Trend (2018-2024)
 - 7.2.2 Forecast Trend (2025-2034)
- 8 Australia Petroleum Coke Market by Physical Form

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- 8.1 Needle Coke
 - 8.1.1 Historical Trend (2018-2024)
 - 8.1.2 Forecast Trend (2025-2034)
- 8.2 Sponge Coke
 - 8.2.1 Historical Trend (2018-2024)
 - 8.2.2 Forecast Trend (2025-2034)
- 8.3 Catalyst Coke
 - 8.3.1 Historical Trend (2018-2024)
 - 8.3.2 Forecast Trend (2025-2034)
- 8.4 Shot Coke
 - 8.4.1 Historical Trend (2018-2024)
 - 8.4.2 Forecast Trend (2025-2034)
- 8.5 Purge Coke
 - 8.5.1 Historical Trend (2018-2024)
 - 8.5.2 Forecast Trend (2025-2034)
- 9 Australia Petroleum Coke Market by End User
 - 9.1 Power Plants
 - 9.1.1 Historical Trend (2018-2024)
 - 9.1.2 Forecast Trend (2025-2034)
 - 9.2 Cement Industry
 - 9.2.1 Historical Trend (2018-2024)
 - 9.2.2 Forecast Trend (2025-2034)
 - 9.3 Steel Industry
 - 9.3.1 Historical Trend (2018-2024)
 - 9.3.2 Forecast Trend (2025-2034)
 - 9.4 Aluminium Industry
 - 9.4.1 Historical Trend (2018-2024)
 - 9.4.2 Forecast Trend (2025-2034)
 - 9.5 Others
- 10 Australia Petroleum Coke Market by Region
 - 10.1 New South Wales
 - 10.1.1 Historical Trend (2018-2024)
 - 10.1.2 Forecast Trend (2025-2034)
 - 10.2 Victoria
 - 10.2.1 Historical Trend (2018-2024)
 - 10.2.2 Forecast Trend (2025-2034)
 - 10.3 Queensland
 - 10.3.1 Historical Trend (2018-2024)
 - 10.3.2 Forecast Trend (2025-2034)
 - 10.4 Australian Capital Territory
 - 10.4.1 Historical Trend (2018-2024)
 - 10.4.2 Forecast Trend (2025-2034)
 - 10.5 Western Australia
 - 10.5.1 Historical Trend (2018-2024)
 - 10.5.2 Forecast Trend (2025-2034)
 - 10.6 Others
- 11 Market Dynamics

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- 11.1 SWOT Analysis
 - 11.1.1 Strengths
 - 11.1.2 Weaknesses
 - 11.1.3 Opportunities
 - 11.1.4 Threats
- 11.2 Porter's Five Forces Analysis
 - 11.2.1 Supplier's Power
 - 11.2.2 Buyer's Power
 - 11.2.3 Threat of New Entrants
 - 11.2.4 Degree of Rivalry
 - 11.2.5 Threat of Substitutes
- 11.3 Key Indicators of Demand
- 11.4 Key Indicators of Price
- 12 Value Chain Analysis
 - 12.1 Key Stakeholders
 - 12.2 Stages in the Value Chain
- 13 Global Price Analysis
 - 13.1 Annual Historical Price Trends (2018-2024)
 - 13.2 Annual Price Forecast Trends (2025-2034)
- 14 Procurement Insights
 - 14.1 Contract Terms
 - 14.2 Cost Structure
 - 14.2.1 Raw Material
 - 14.2.2 Utility
 - 14.2.3 Labour Cost
 - 14.2.4 Fixed Cost
 - 14.2.5 Pricing Model
 - 14.3 Vendor Selection Criteria
 - 14.4 Supplier and Buyer Power at Regional Level
 - 14.4.1 Demand
 - 14.4.2 Supply
 - 14.4.3 Raw Material/Feedstock Availability
 - 14.4.4 Supplier Power
 - 14.4.5 Buyer Power
 - 14.5 Procurement Strategy: Best Practices
- 15 Competitive Landscape
 - 15.1 Supplier Selection
 - 15.2 Key Global Players
 - 15.3 Key Local Players
 - 15.4 Key Player Strategies
 - 15.5 Company Profile
 - 15.5.1 BP Plc
 - 15.5.1.1 Company Overview
 - 15.5.1.2 Product Portfolio
 - 15.5.1.3 Demographic Reach and Achievements
 - 15.5.1.4 Certifications
 - 15.5.2 Phillips 66 Company

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- 15.5.2.1 Company Overview
- 15.5.2.2 Product Portfolio
- 15.5.2.3 Demographic Reach and Achievements
- 15.5.2.4 Certifications
- 15.5.3 PJSC Lukoil
- 15.5.3.1 Company Overview
- 15.5.3.2 Product Portfolio
- 15.5.3.3 Demographic Reach and Achievements
- 15.5.3.4 Certifications
- 15.5.4 Royal Dutch Shell Plc
- 15.5.4.1 Company Overview
- 15.5.4.2 Product Portfolio
- 15.5.4.3 Demographic Reach and Achievements
- 15.5.4.4 Certifications
- 15.5.5 Indian Oil Corporation Ltd.
- 15.5.5.1 Company Overview
- 15.5.5.2 Product Portfolio
- 15.5.5.3 Demographic Reach and Achievements
- 15.5.5.4 Certifications
- 15.5.6 Valero Marketing and Supply Company
- 15.5.6.1 Company Overview
- 15.5.6.2 Product Portfolio
- 15.5.6.3 Demographic Reach and Achievements
- 15.5.6.4 Certifications
- 15.5.7 Essar
- 15.5.7.1 Company Overview
- 15.5.7.2 Product Portfolio
- 15.5.7.3 Demographic Reach and Achievements
- 15.5.7.4 Certifications
- 15.5.8 Integral Global Bulk Resources
- 15.5.8.1 Company Overview
- 15.5.8.2 Product Portfolio
- 15.5.8.3 Demographic Reach and Achievements
- 15.5.8.4 Certifications
- 15.5.9 Asbury Carbons
- 15.5.9.1 Company Overview
- 15.5.9.2 Product Portfolio
- 15.5.9.3 Demographic Reach and Achievements
- 15.5.9.4 Certifications
- 15.5.10 SGS Societe Generale de Surveillance SA.
- 15.5.10.1 Company Overview
- 15.5.10.2 Product Portfolio
- 15.5.10.3 Demographic Reach and Achievements
- 15.5.10.4 Certifications
- 15.5.11 Others
- 16 Key Trends and Developments in the Market

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

Australia Petroleum Coke Market Size Analysis Report - Market Share, Forecast Trends and Outlook (2025-2034)

Market Report | 2025-10-27 | 113 pages | EMR Inc.

To place an Order with Scotts International:

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

ORDER FORM:

Select license	License	Price
	Single User License	\$2999.00
	Five User License	\$3999.00
	Corporate License	\$4999.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scottss-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="2026-03-02"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

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

www.scottss-international.com



Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com