Specification of the Product: Steel Grade

Index	Typical	Unit	Value	Standard Methods	Technique
Ash Content	0.7±0.2	%	Max	ISO 8005	Combustion
Moisture	0.2	%	Max	ISO 11412	Heating
Volatiles	0.5	%	Max	ISO 9406	Combustion
Carbon	99	%	Min		
Sulfur	0.7±0.1	%	Max	ISO 12980	XRF-ICP
Sizing	Based on Customer Request			ISO 12984	Sieving

About the Company

Parsian Arvand Petroleum Coke Co.(PAPC)was established in 2005 in Khorramshahr with the strategic objectives of industrial development, creating sustainable employment in underdeveloped regions, and ensuring a reliable supply of raw materials for the nation's strategic industries.

Following a period of stagnation, the company revitalized its operations in 2020 through a $50 million capital injection and a comprehensive management restructuring.
This turnaround involved the rehabilitation of production lines and the complete modernization of industrial equipment.

Designed with advanced Rotary Kiln technology, the industrial complex has anominal design capacity of 240,000 tons perannum (TPA), making it the first and largestcalcined petroleum coke unit in Iran.
Currently, the first phase of the complex is operational with a capacity of 80,000 TPA,providing over 150 direct job opportunities inthe region. Equipment for the second phasehas been procured and is ready forinstallation; upon completion of thisexpansion project, the complex will reach itsfull nominal capacity of240,000 TPA.

Our Product

The flagship product of Parsian Arvand is Calcined Petroleum Coke (CPC), produced through thehigh temperature thermal processing of GreenPetroleum Coke using rotary kiln technology.
During this process, moisture and volatile matterare removed, resulting in a product with a carbonpurity exceeding 99% and highly stable physicaland chemical properties. Due to its superiortechnical specifications, our CPC serves as a criticalraw materialinthesteel,aluminum,andgraphiteelectrode industries.

Quality Control

To guarantee consistent quality and full compliance with international standards, Parsian Arvand is equipped with a state of the art Quality Control (QC) Laboratory.
Our facility is capable of performing a comprehensive range of physical and chemical **Analyses, including:**

- Carbon content, Sulfur, and Ash
- Moisture and Density
- Electrical Conductivity and Heavy Metals

Our rigorous sampling and testing protocols are implemented continuously throughout all production stages from raw material reception to the final product to ensure uniform and reliable quality.

Sizing and Value-Added Services

The company is equipped with high precision industrial crushing and screening lines, enabling customized sizing and granulation tailored to the specific requirements of various industries. This process ensures physical uniformity while providing a wide range of particle sizes with consistent quality.

Specification of the Product: Aluminum Grade

Index	Typical	Unit	Value	Standard Methods	Technique
Ash Content	0.5	%	Max	ISO 8005	Combustion
Moisture	0.2	%	Max	ISO 11412	Heating
Volatiles	0.5	%	Max	ISO 9406	Combustion
True density	2.07±0.05	g/cm³		ASTM D5004	Pyknometry
Bulk density	0.85	g/cm³			
Sulfur	0.75	%	Max	ISO 12980	XRF-ICP
V	100	ppm	Max	ISO 12980	XRF-ICP
Fe	500	ppm	Max	ISO 12980	XRF-ICP
Si	200	ppm	Max	ISO 12980	XRF-ICP
Nickel	100	ppm			
Particle Size>6mm	30-45	%	Max	ISO 12980	Sieving
Particle Size<1mm	20	%	Max	ISO 12980	Sieving



Our Commitment

Leveraging our extensive experience, modern technology, and highly skilled workforce, Parsian Arvand.

Petroleum Coke Co. is committed to serving as a reliable and sustainable source of calcined coke for the metallurgical industries.

Our ultimate goal is to foster long term, sustainable, and trust based partnerships with our domestic and international consumers .

Key Product Features

- Carbon Purity: > 99%-
- Ultra low levels of Sulfur, Ash, and Heavy Metals conductivity
- High Density and excellent electrical
- High thermal and mechanical stability
- Uniform granulation with customizable sizing capabilities



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PAPC

Parsian Arvand Petroleum Coke Company