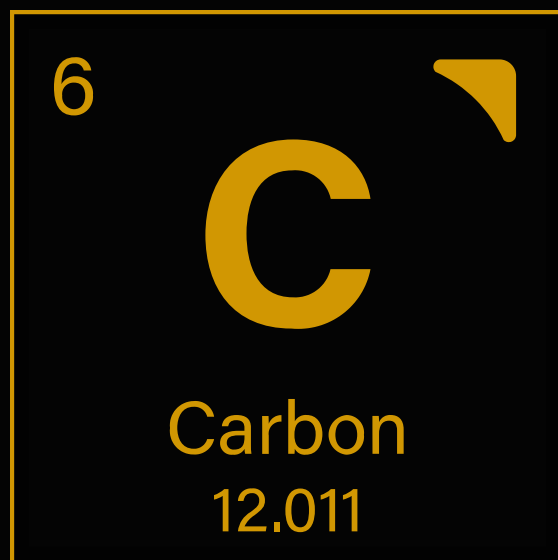




NEXON CARBON

Manufacturers of activated carbon



"NEXON CARBON: Pioneering Excellence, Crafting Sustainable Solutions for a Cleaner, Greener Future. Your Partner in Environmental Innovation."





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NEXON CARBON

Manufacturers of Activated Carbon



Welcome to NEXON CARBON, the new generation of carbon solutions built on more than 30 years of experience in the activated carbon industry.

For over three decades, our company has been engaged in the manufacturing and distribution of activated carbon, building extensive expertise in carbon technologies, quality control, and the diverse requirements of industrial customers.

Today, NORE CARBON has evolved into NEXON CARBON, a new and enhanced brand representing the next chapter of our experience, innovation, and commitment to quality. Under the NEXON CARBON brand, we have expanded and developed our product portfolio to include a wide range of activated carbon and carbon-based products, designed to meet the specific requirements of customers across multiple industries, including water treatment, mining, industrial processes, air purification, and environmental applications.

This transformation is more than a change of name. NEXON CARBON represents the evolution of our products, technologies, and capabilities, while preserving the knowledge and experience accumulated over more than 30 years in the carbon industry.

Our products are developed with a strong focus on performance, consistency, quality, and customer requirements. Through our technical expertise and close cooperation with our customers, we provide reliable carbon solutions tailored to specific applications and operating conditions.

With NEXON CARBON, we continue our journey with a broader product portfolio, stronger technical capabilities, and a clear vision for the future of carbon technologies. NEXON CARBON - The Evolution of 30+ Years of Carbon Expertise.



NEXON CARBON

we aspire to excellence with an ambitious vision, committed to a mission of providing sustainable, high-quality products. Our extensive experience in serving both industry and society positions us as a trusted and credible entity.

Our Vision:

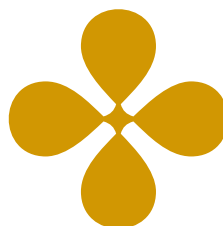
Our vision at NEXON CARBON factory goes beyond merely producing active carbon. We aim to be pioneers in delivering sustainable and innovative environmental solutions. Our goal is to achieve excellence in our industry with a focus on professionalism and social responsibility.

Our mission

Our mission is to provide high-quality active carbon sustainably. We aim to meet the diverse needs of various industries in a way that maintains a balance between the environment and the economy. Continuously striving to improve our products and operations, we seek customer satisfaction and contribute to sustainable development.

Our Experience:

With decades of experience, our factory reflects our deep understanding of market needs and our commitment to exceeding customer expectations. Leveraging our history, we guide innovation and enhance operations, making us a symbol of quality and credibility in our industry.



What is activated carbon?

Activated carbon is a high purity form of carbon with a very high surface area, characterised by microscopic pores. It is also sometimes referred to as active carbon, activated charcoal or active coal.

It is generally manufactured from carbonaceous raw materials such as high quality coals, coconut shells or wood, although other raw materials are constantly being investigated and developed. NEXON Activated Carbons is proud to be able to offer many different types of activated charcoal/carbon, under our brand.

The raw material is charred, in the absence of oxygen, before it undergoes an activation process that opens up the microscopic pore structure and imparts the huge surface area required for purification applications.

The activation process is normally performed in a high temperature kiln in the presence of steam, although other techniques are utilised within the carbon industry, for example activation with acidic chemicals.

It is the huge surface area of activated carbon that makes it suitable for removing unwanted impurities from liquid and gas phase streams, in a process called adsorption.

Activated carbon is generally supplied in either granules (GAC - granular activated carbon), powder (PAC - powdered activated carbon) or extruded carbon/pellet forms, although other physical forms such as activated carbon cloth and solid carbon monoliths also exist.

The choice between activated carbon granules, powder and extruded carbon depends on the details of the customer's process and the treatment objectives they have for their purification step(s).



ACTIVE CARBON APPLICATIONS

With our product, you will develop your industry

"The active carbon manufactured at 'NEXON CARBON' factory stands out as a distinct solution serving multiple industries effectively.

It is used as a catalyst in chemical industries, enhancing mining processes, and water purification. Playing a role in the food and beverage industry, it improves flavors, and it finds applications in biological industries and environmental sectors for the recovery of harmful gases.

Active carbon emerges as a versatile component, improving processes and products across various sectors, making it an efficient and sustainable solution.

With continuous research and development, our company works to reach the highest levels of conformity to obtain the highest efficiency of products and the maximum production rate for all required fields.

As continuous development through experiments and tests, the research team works to find the problems facing customers in the manufacturing stages and conduct the necessary tests to solve these problems.





MANUFACTURING PROCESS

The manufacturing process, activation and basic raw materials used have a decisive influence on the adsorption capacity of the activated carbon products used.

Therefore, we work to select the primary raw materials to produce a product that meets the trust of our customers

1. **Raw Material Selection:** The production process starts with a meticulous selection of high-quality coconut shells. The raw materials are carefully examined and chosen to ensure the production of an outstanding final product.
2. **Sorting and Preparation of Materials:** Coconut shells are sorted and prepared for the next stage. This involves cleaning and sorting operations to ensure the raw materials are free from impurities and dirt.
3. **Activation and Conditioning:** The raw materials are placed in specialized furnaces for activation and conditioning. This step contributes to creating a porous structure inside the carbon, enhancing its effectiveness in activation.
4. **Cooling and Storage:** After the activation process, the product is cooled and stored carefully. This ensures maintaining the product's quality and readiness for subsequent production stages.
5. **Packaging:** The active carbon is packaged in suitable containers according to customer requirements. Precise packaging ensures the preservation of purity and quality during transportation and storage.
6. **Inspection and Quality Control:** The product undergoes a thorough inspection and quality control to verify compliance with required specifications. This includes tests for porosity and purity to ensure the product performs excellently.

These steps are part of the comprehensive process that sets "NEXON CARBON" apart in delivering exceptional active carbon for various industries.



RESEARCH AND DEVELOPMENT DEPARTMENT:

"The Research and Development Department: Pillar of Excellence at NEXON CARBON Factory"

The Research and Development department at NEXON CARBON factory serves as a vital axis propelling the company towards excellence and innovation in the production of active carbon. The specialized team in this department plays an effective role in developing and innovating production processes to enhance product quality and efficiency.

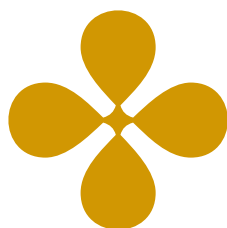
The Research and Development department is dedicated to adopting the latest technologies and advancements in the field of active carbon production. The team has the capability to examine current processes and update them to align with global standards and market expectations. The department seeks to understand the technical and environmental challenges facing the active carbon industry and works on developing advanced solutions.

The significance of the Research and Development department is amplified through continuous collaboration with other departments in the factory, leading to integrated efforts and continuous improvement in operations. Uniqueness in products and technologies forms a strong foundation for global market competitiveness.

The commitment to sustainability and innovation is evident in NEXON CARBON's Research and Development department, where continuous development and investment in research and clean technologies reflect the factory's vision towards an environmentally friendly future and delivering high-quality products to customers."



30
years
experiences



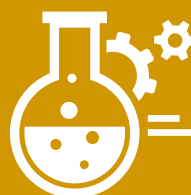
Classification of carbon

Our Activated Carbon portfolio comprises a wide spectrum of powdered, granular and extruded activated carbon grades manufactured from raw materials like coal, lignite, coconut shell and wood by all the customary activation processes. This enables us to serve the most diverse needs of our customers, using Activated Carbon for odor control, natural gas treatment, solvent recovery, waste water treatment, in food & beverages industry and many other applications.

Quality



Research and Development



Experience



Technical Support



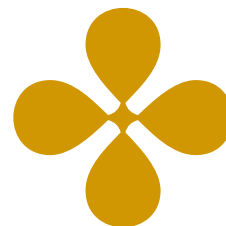
Classification of carbon by shape

NEXON CARBON manufactures a complete range of standard, washed, and impregnated activated carbon in granular, powder, and extruded pellet forms, made from diverse raw materials including coconut shell, various grades of coal, and wood.



GRANULAR ACTIVATED CARBON

Providing cost effective, various sizes and customizable coconut shell and coal granulated active carbon. Suitable for kinds of liquid phase adsorption and gas treatment. Water purification, gold recovery, food and beverage, etc.



PELLET ACTIVATED CARBON

NEXON series columnar activated carbon is made of selected grade coal with high CTC, which is suitable for various air purification and gas phase applications. H₂S removal, industrial waste gas purification, solvent recovery, odor control, etc.



POWDER ACTIVATED CARBON

Producing cost-effective wood and coal powdered carbon. It's used in water treatment, food & beverage, sugar, oil and grease industries, and is also more commonly used in waste incineration, power plants, electroplating and other fields.

ACTIVATED CARBON

Gold Grade 6*12

Activated carbon made from coconut shells and intended for mining and mineral extraction



NEXON CARBON™ 60 is range of coconut shell based granular activated carbon produced by steam activation through rotary kiln at 900 °C under stringent operating conditions. NEXON CARBON™ 60 is designed and optimized for gold recovery application in CIP (Carbon in Pulp), CIL (Carbon in Leach), CIC (Carbon in Column) or heap leaching process. The granules are very hard and free of platelets with large pore volume, rapid adsorption and maximum gold loading makes it ideal for gold mines.

Product analysis

Paramètre	Unité	Résultat	Méthode d'analyse
Moisture – Humidité	%	2.4	ASTM D2867-23
Ash Content – Teneur	%	3,59 (Wet) / 3,68 (Dry)	ASTM D2866-11 (2025)
Volatile Matter –	%	3,17 (Wet) / 3,25 (Dry)	ASTM D5832-98
Fixed Carbon –	%	90,72 (Wet) / 93,07	MW.01.21.LH (By
pH	—	9.8	ASTM E70-24
Iodine Number –	mg/g	1243	ASTM D4607-14
Hardness – Dureté	%	98.6	ASTM D3802-23
Bulk Density – Densité	kg/m ³	440	ASTM D2854-09 (2025)
Mesh Size –	Mesh	6 × 12	—

Why Choose our carbon

- ✓ HIGH GOLD ADSORPTION (K & R VALUE)
- ✓ SUPERIOR HARDNESS
- ✓ LOW ABRASION RATIO
- ✓ LOW PLATELET
- ✓ NARROW PARTICLE SIZE RANGE

we supplying top quality activated carbon for many years to various gold mines across the globe. Our long-time presence in this market has assisted us to develop an impressive and diversified activated carbon products for the gold mining industries.



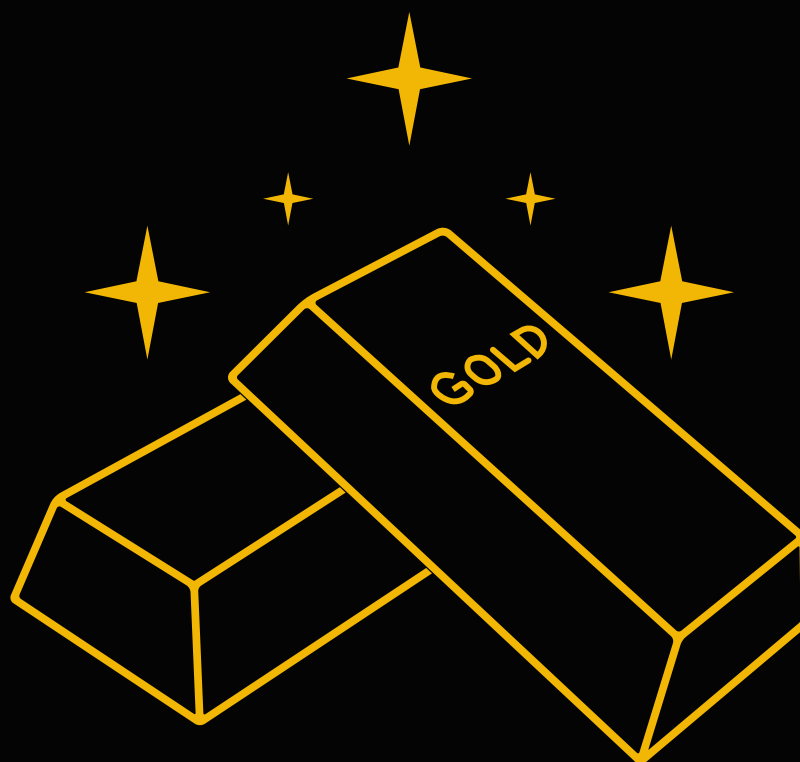
Packaging/Transportation

Standard Packaging in 500 Kg Jumbo Bags / 25 Kg PP Bag with Inner Liner
Customized Packaging available on demand
Import/Export Classification: 3802.10.0000
Freight Classification: NMFC 040560
CAS # 7440-44-0



Usage in mining systems

Carbon in Pulp (CIP)
Carbon in Leach (CIL)
Carbon in Column (CIC)



NEXON CHEMICALS

Next Generation Chemicals

 www.nexonchem.com  info@nexonchem.com

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