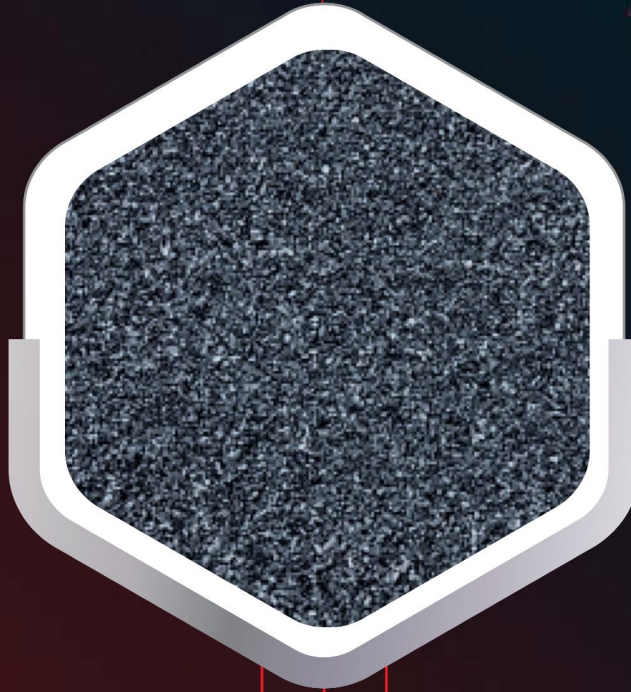




BLACK OPAL CARBON
FORMERLY INDOCARB AC LLC

PURIFICATION

MADE PERFECT

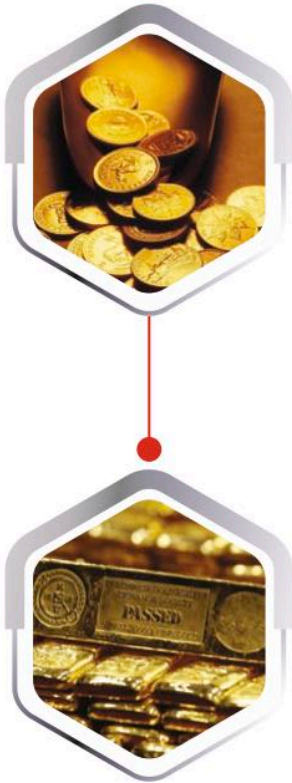
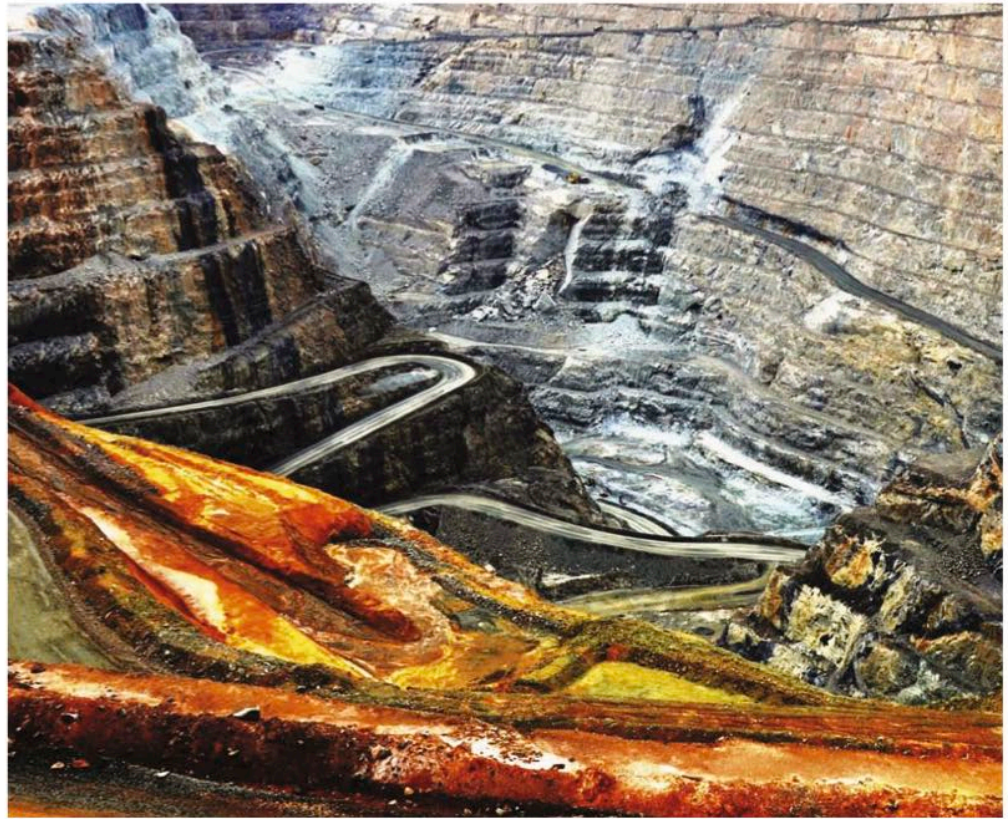


IndoCarb
BLACK  **OPAL**

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Gold Recovery

IndoCarb offers a highly microporous coconut shell based activated carbons with intrinsic hardness and excellent attrition resistance for gold recovery application, manufactured with very low platelet content and nil dust. Indocarb GC grades of carbon are manufactured specifically for use in gold recovery applications from the highest quality coconut shell under stringent control to provide ultimate hardness and attrition resistance, whilst providing the best adsorption properties. Our GC range products are processed through a vee-wire screen and de-dusted to minimize the proportion of platelets and fines in the final product. Our carbons have superior adsorption kinetics with very high gold adsorption rates and loading capacities. With over 20 years of experience in the industry, IndoCarb is specialized in precious metal recovery carbon and service some of the world's largest gold mining companies in North/South America, Africa, Russia and CIS countries.



Typical Properties

Grade	GC C616	GC E612	GC E816
Type	Granular	Granular	Granular
Particle Size (US mesh)	6x16	6x12	8x16
CTC Activity (%)	55	62	60
K Value	26	32	30
R Value	50	58	58
Hardness No.	99.2	99	99
Apparent Density (gm/cc)	0.50	0.49	0.49
Moisture (%)	4	4	4
Ash (%)	3	3	3
pH		9 - 11	

Typical specifications are of our standard products. Any other different grades can be manufactured as per customer request to meet specific requirements.

Advantages

- ▶ Superior hardness to minimize attrition loss and dust
- ▶ Higher gold adsorption capacities for maximum gold loading
- ▶ Excellent gold adsorption rates for high throughput





IndoCarb AC LLC is a successful joint venture between the largest privately owned coconut shell activated carbon manufacturer in India and a team of highly competent entrepreneurs of global stature with over 50 years of combined expertise in activated carbon industry.

In a short span, IndoCarb has become one of the most recognized brands in the industry, built on a reputation of quality, innovation, service and reliability. The company is managed with integrity, refined expertise and creativity by its visionary leadership which in turn empowers the

organization to consistently strive for excellence in all its areas of operation.

Having fully owned manufacturing facilities enable the company to operate at higher quality standards, reliability and consistency. The state of the art factory in India has a production capacity of 26 million pounds of coconut activated carbon and has been serving the industry for over a decade.

The company has a very impressive clientele spread across the globe, which is built over trust and reliability.



- ▶ Granular carbon
- ▶ Powder carbon
- ▶ Acid washed carbon
- ▶ Water washed carbon
- ▶ Impregnated carbon



State of the Art Technology

In a crowded industry, a major differentiating factor in favor of IndoCarb is its philosophy towards embracing sophisticated technologies at every step. We are committed to continuous improvement and are constantly upgrading our processes and supporting skills to produce and supply a product of superior quality and reliability.

Part of our manufacturing facilities include nine rotary kilns with a combined capacity of 15000 MTs, well equipped post production facilities including de-dusting, grinding, screening, washing and impregnation capabilities. Our manufacturing units are fully supported by advanced laboratory facilities. All the equipment's are in accordance with ASTM Standards and are manned by a team of highly skilled and trained technicians.

Vast Portfolio

Activated carbons are manufactured from coconut shell, peat, hard and soft wood, coal and other carbonaceous materials. Activation is attained through a controlled oxidation process that develops a structure with a broad range of pore sizes. We produce different grades of activated carbon from selected grades of coconut shells in granular / powdered forms. Also, depending on the requirements, they are either water washed, acid washed or impregnated.

During manufacture, the coconut shells are steam activated and the process is carefully monitored and controlled, producing a world class product with consistent quality.

Diversified Usage

Activated Carbons have many different uses from filtration to purification and beyond. It is in great demand for a variety of applications, due mainly to the global acceptance of activated carbon in the process. Due to its high absorption properties and hardness, activated carbon is ideally suited for removing oxidizing agents like chlorine and ozone in process water applications. As a versatile adsorbent, activated carbons are widely used in precious metal recovery too. Our carbons made from quality grades of coconut shell, have the ultimate hardness and abrasion resistance.

Broad Specifications

CTC adsorption	: 40 to 80%
Iodine adsorption	: 800 to 1400 mg/g
Surface area	: 850 to 1500 m ² /g
Hardness	: 95 to 99.8
Apparent density	: 350 to 550 gms/ltr.
Moisture content	: Less than 5%
Ash content	: Less than 5%
pH	: Alkaline/Neutral

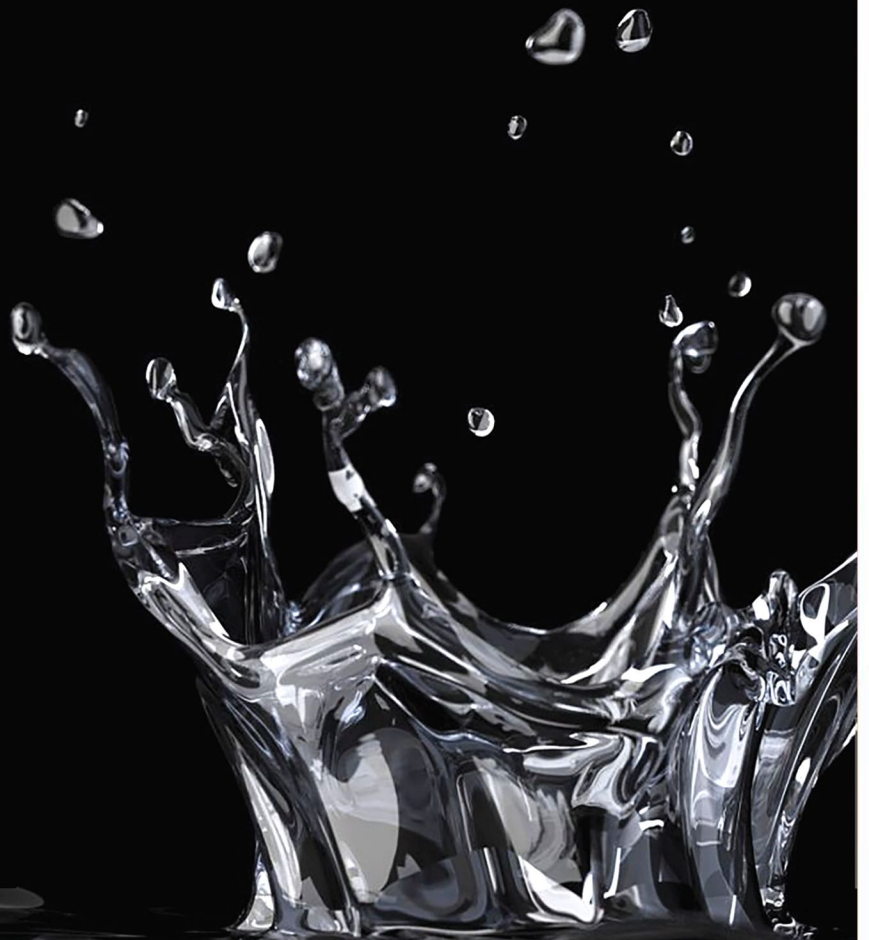


Leaving Unique Characteristics

IndoCarb treasures an array of exclusive characteristics conferred by high quality coconut shells.

A few of them are:

- ▶ Higher retention
- ▶ Optimized density
- ▶ Maximum hardness
- ▶ Excellent micro porous structure
- ▶ Low ash contents and lesser impurities
- ▶ High hardness level and low dust level leading to the higher quality of the product
- ▶ Higher surface area leading to longer life of the carbon and extended adsorption capacity



BLACK OPAL CARBON

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