

Golden Gleanings Baiyun Activated carbon Solutions



Today's gold-mining operations optimize efficiency and output through the use of superior Haycarb gold recovery carbon technology. Over four decades of innovations and customer **satisfaction have made us the industry's preferred supplier**, delivering over 12,000 tons of activated carbon products to mines around the world.

The intrinsic hardness, high density and low platelet content of Haycarb activated carbon products set the industry standard for performance. Precise particle size distribution and **high abrasion resistance of our activated carbon** improves the kinetics (R & K values) of adsorption and reduces tail loss in the circuit due to attrition, respectively. Haycarb products offer optimal particle **size distribution and activation** characteristics to maximize both the rate (R value) and capacity (K value) of gold adsorption.

Baiyun Services

Testing & carbon Selection
Baiyun offers the following gold adsorption test facilities and expertise:

- gold activity
- **loading capacity**
- rate of adsorption
- soft particle % and platelet % measuring tests
- hardness measuring tests
- testing and analysis of spent carbon
- **expertise of our in house metal lurgist**

Logistics

Baiyun works closely with leading logistics service providers to ensure on-time delivery to the remotest locations.

Regeneration Baiyun has the expertise and resources to design and install on-site regeneration systems for mines and to upgrade existing systems. Our **re generation systems are of superior quality** and offer the following benefits:

- restores near-original adsorptive characteristics
- **retains the hardness and other physical properties of virgin carbon**, thereby increasing the life of the carbon in the circuit and minimizing gold loss
- **increase regeneration efficiency** through higher throughput and yield, lower energy cost

Baiyun Granules vs. Standard Carbon Pellets

The **natural structure of coconut shell based Baiyun Activated Carbon granules**, shows higher density and much lower attrition compared to pelletized activated carbon. The granules **have less tendency towards accelerated shearing**, reducing the particle breakdown observed at the latter stages of the process when pellets are used. Natural products like coconut shell exhibit greater **intrinsic stability than artificial, chemically-bound pellets**.

Feature

Higher resistance to attrition, cubic shape

Higher hardness and surface properties

Highly-developed micropore structure

Consistent quality

Benefit

Reduces carbon losses in the circuit

Significantly improves plant performing by reducing gold losses in tailings

Superior adsorption rate & capacity, high gold recovery yield

Exceptional performance

Parameter

Typical Butane

Activity Wet Attrition Loss (bottle roller)

Apparent Density

Particle Size

Ash Content

Hardness No

Typical Values

16-27 (%)

0.48 g/cc min

6 x 12, 6 x 16, 8 x 16

3% max

99%

2%

We provide custom designed products for specific customer applications within the general range.

Packaging Standard

packaging is designed primarily to prevent deterioration of accurately graded granules and preclude the adsorption of moisture or atmospheric contaminants. Other packaging criteria can be accommodated on request.

Bulk Bag

Sacks Net. 500 Kg Net. 25 Kg

Warranty Disclaimer

Please confirm the specification of any particular grade with your representative prior to purchase. The user is responsible for ensuring that the product is correctly specified prior to purchase and Baiyun makes no express warranty as to suitability for specific application.

BAIYUN

Activated carbon solutions

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