



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.

Haycarb Services

Testing & carbon Selection

Haycarb 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

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

Regeneration

Haycarb 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

Haycarb Granules vs. Standard Carbon Pellets

The natural structure of coconut shell based Haycarb 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.

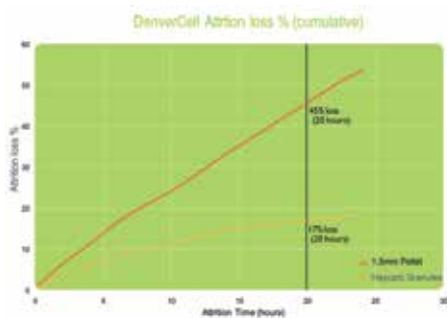


Technical Information

Feature	Benefit
Higher resistance to attrition, cubic shape	Reduces carbon losses in the circuit
Higher hardness and surface properties	Significantly improves plant performing by reducing gold losses in tailings
Highly-developed micropore structure	Superior adsorption rate & capacity, high gold recovery yield
Consistent quality	Exceptional performance

Parameter	Typical Values
Typical Butane Activity ASTM D5742	16-27 (%)
Apparent Density ASTM D2854	0.48 g/cc min
Particle Size ASTM D2862	6 x 12, 6 x 16, 8 x 16
Ash Content ASTM D2866	3% max
Hardness No ASTM D3802	99%
Wet Attrition Loss (bottle roller)	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

Product Testing Services

Haycarb's Research & Development laboratories in Sri Lanka and its overseas subsidiaries are equipped to perform all the standard testing required for Activated Carbons together with any other specialized product or application related testing requirements.

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 Haycarb makes no express warranty as to suitability for specific application.



Haycarb Activated Carbon grades that are Tested and Certified by NSF International against NSF/ANSI Standard 42 for material requirements only, are listed on: www.nsf.org/certified/DWTU

Component



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 Activated carbon solutions

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