

GoldSorb® 4500

granular coconut shell based activated carbon

Features and Benefits

- Selected raw material
- Optimized activity
- Optimum pore structure
- Maximum hardness and abrasion resistance
- Rigorously de-dusted
- Low platelet content
- Optimum rates of gold loading and elution
- Economical operation
- Low circuit losses, low make-up requirement
- Clean handling during contactor loading

Typical Applications

- Carbon-in-pulp (CIP) circuits
- Carbon-in-leach (CIL) circuits
- Carbon-column (CIC) processes
- Silver recovery from photographic wastes
- Reworking of ore spoil tips

Available Particle Sizes

- 6x12 mesh (1.70 - 3.35 mm)
- 6x16 mesh (1.18 - 3.35 mm)
- 8x16 mesh (1.18 - 2.36 mm)
- 12x30 mesh (0.60 - 1.70 mm)

Standard Packaging

- 25 kg bag (55 lb)
- 500 kg bulk bag (1100 lb)



The polyethylene valve bag from Jacobi sets the standard in the industry for clean, durable and safe handling.



GoldSorb® 4500 is a medium activity granular activated carbon manufactured by steam activation from carefully selected coconut shell charcoal. It is ideally suited for the recovery of precious metals in all forms of contactors providing good adsorption and elution characteristics. GoldSorb® 4500 exhibits maximum product hardness and this results in a high resistance to attrition contributing to lower gold losses in the circuit. Furthermore, during regeneration, GoldSorb® 4500 produces fewer fines which require disposal and ensures a minimal requirement for make-up carbon from inventory stock.

Specification

CTC activity	min. 45%
Total ash content	max. 4%
Moisture content	max. 5%
Apparent density	480 - 550 kg/m ³
Hardness	min. 99%
Platelets (A.A.R.L.)	max. 7%
Attrition (A.A.R.L.)	max. 2%
Mean particle diameter (6x12 mesh)	min. 2.48 mm

Typical Properties

Surface area	1000 m ² /g
K value	26 kg/tonne
R value	50

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Polyethylene valve bags of
25 kg (55 lb) net weight on
500 kg (1100 lb) pallets



Polypropylene liner-free
FIBCs (super sacks) of
500 kg (1100 lb) net weight

CAUTION Activated carbon is a strong oxidizing agent and can remove oxygen from air under wet or humid conditions. Care should be taken when entering confined spaces where wet activated carbon is present. Ensure the use of correct breathing apparatus. Material Safety Data Sheets should be consulted for further details on procedures in the event of contact with activated carbon.

NOTICE Due to the progressive nature of Jacobi Carbons Group and the continually improving design and performance of our products, we reserve the right to change product specifications without prior notification. The information contained in this datasheet is intended to assist a customer in the evaluation and selection of products supplied by Jacobi Carbons. The customer is responsible for determining whether products and the information contained in this document are appropriate for customer's use. Jacobi Carbons assumes no obligation or liability for the usage of the information in this datasheet, no guarantees or warranties, expressed or implied, are provided. Jacobi Carbons disclaims responsibility and the user must accept full responsibility for performance of systems based on this data.

ISO 9001

BUREAU VERITAS
Certification

