



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

* Specifications and typical properties are produced using Jacobi Carbons' test methods. They are listed for informational purposes only and not to be used as purchase specifications. Sales specifications can be obtained from your Jacobi Carbons Technical Sales Representative and should be reviewed before placing an order.



Jacobi

THE CARBON COMPANY

CORPORATE OFFICE

Sweden

Jacobi Carbons AB
Bredbandet 1, Varvsholmen
SE-392 30 Kalmar

Tel: +46 480 417550
Fax: +46 480 417559
info@jacobi.net

EMEA

Germany

Jacobi Carbons GmbH
Feldbergstrasse 21
D-60323 Frankfurt/Main

Tel: +49 69 719107-0
Fax: +49 69 719107-20
info@jacobi.net

Finland

Jacobi Carbons AB (SS)
Ruoholahdenkatu 8
SF-00180 Helsinki

Tel: +358 9 643602
Fax: +358 9 642900
infofin@jacobi.net

Switzerland

Jacobi Carbons AG
Rheinweg 5
CH-8200 Schaffhausen

Tel: +41 52 647 30 00
Fax: +41 52 647 30 09
infoch@jacobi.net

United Kingdom

Jacobi Carbons Ltd.
Croft Court, Moss Estate
Leigh, Lancs, WN7 3PT

Tel: +44 1942 670 600
Fax: +44 1942 670 605
infouk@jacobi.net

www.jacobi.net

AMERICAS

United States

Jacobi Carbons, Inc.
1518 Walnut Street, 10th Floor
Philadelphia, PA 19102

Tel: (215) 546-3900
Fax: (215) 546-9921
info@jacobi.net

ASIA / PACIFIC

Sri Lanka

Jacobi Carbons Lanka (Pvt) Ltd.
618 Aluthmawatha Road
Colombo 15, Sri Lanka

Tel: +94 11 252 0364-5
Fax: +94 11 252 0366
info@jacobi.net

India

Jacobi Carbons India (Pvt) Ltd.
#122, First Floor, Bharathi Colony
Peelamedu, Coimbatore, 641004

Tel: +91 422 4397208
Fax: +91 422 4397209
infoin@jacobi.net

China

Jacobi Carbons Industry (Tianjin) Co. Ltd.
No. 31, 5th Coastal Way, TJPFTZ
Tanggu, Tianjin, 300456

Tel: +86 22 25763228
Fax: +86 22 25763228
infoch@jacobi.net

Malaysia

Jacobi Carbons (Asia) Sdn Bhd
Lot 12070-F, Jalan Usahajaya,
Kawasan Perusahaan Ringan Usahajaya,
14100 Permatang Tinggi, Bukit Mertajam, Penang

Tel: +604 588 2122
Fax: +604 588 6122
infoasia@jacobi.net



Polyethylene valve bags,
20 bags per pallet.



Polypropylene liner-free
FIBCs (super sacks),
2 bags per pallet.

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 the 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.

WORLDWIDE DISTRIBUTORS A diverse network of agents, strategically located around the world. Please contact any Jacobi Carbons office to locate your nearest distributor. AquaSorb®, EcoSorb®, GoldSorb®, ColorSorb®, DioxSorb®, AddSorb® and Jacobi are registered trademarks of Jacobi Carbons.
© Jacobi Carbons, 2009.

ISO 9001
BUREAU VERITAS
Certification

