



AuSorb

Granular coconut shell based activated carbon

AuSorb is a high 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. AuSorb exhibits a highly developed pore structure to give optimum adsorption while maintaining high product hardness. This contributes to a high gold loading capacity and consistency recovery of properties following regeneration. As a result, make-up requirements are minimized reducing the cost of operation.



SPECIFICATION*

CTC activity	min. 55%
Total ash content	max. 4%
Moisture content	max. 5%
Apparent density	450 – 550 kg/m ³
Hardness	min. 99%
Platelets (A.A.R.L.)	max. 7%
Attrition (A.A.R.L.)	max. 2%

TYPICAL PROPERTIES*

K value	28 kg/tonne
R value	55%
Particle Size Distribution	
> 6 mesh	< 5.0%
< 12 mesh	< 4.0%
> 8 mesh	< 5.0%
< 16 mesh	< 4.0%

* SPECIFICATIONS AND TYPICAL PROPERTIES ARE PRODUCED USING AuSorb 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 AuSorb CARBONS TECHNICAL SALES REPRESENTATIVE AND SHOULD BE REVIEWED BEFORE PLACING AN ORDER.

Features and Benefits

- High loading capacity
- Enhanced pore structure
- Maximum hardness and abrasion resistance
- Rigorously de-dusted
- Low platelet content
- Good adsorption and elution characteristics
- 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 (3.35 - 1.70 mm)
- 8x16 mesh (2.36 - 1.18 mm)

Standard Packaging

- 25 kg bag (55 lb)



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CIP TYPICAL DESIGN PARAMETERS

Treatment capacity	125000 t per month
Gold head grade	4 g/t
Pulp flowrate	240 m ³ /h
No. of CIP contactors	6
Volume of contactors	160 m ³
Mass of AuSorb®	5 t per contactor
Rate of AuSorb® transfer	2.75 t per day

FOR EASY CONVERSION TO IMPERIAL UNITS, PLEASE VISIT WWW.GOLDSORB.COM

CIL TYPICAL DESIGN PARAMETERS

Treatment capacity	250000 t per month
Gold head grade	4 g/t
Pulp flowrate	475 m ³ /h
No. of CIL contactors	8
Volume of contactors	1780 m ³
Mass of AuSorb®	20 t per contactor
Rate of AuSorb® transfer	5.5 t per day

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PRODUCTION CAPABILITY

AuSorb Carbons manufactures the AuSorb range of activated carbons from high grade coconut shell raw material in purpose built facilities using horizontal rotary kiln activation techniques. AuSorb is manufactured exclusively in our own factories in China. Our geographically diversified manufacturing base and use of in house raw material processing is a unique guarantee of supply security available from AuSorb Carbons. AuSorb is currently supplied to an excess of 10 countries worldwide.

CARBON TESTING AND CIRCUIT AUDIT SERVICE

Minor variation in the recovery process or an error in carbon management can have dramatic effects on gold recovery yields. AuSorb Carbons can provide technical assistance which goes far beyond standard carbon testing services our unrivalled expertise allows us to provide troubleshooting input, carbon management training and recovery circuit optimization. More information on this invaluable service is available on request