

## LENNTECH

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# AquaSorb<sup>®</sup> 1000

## granular coal based activated carbon

### Features and Benefits

- Medium activity
- Proven drinking water adsorbent
- High density
- High wettability
- High hardness and abrasion resistance
- Proven superior for multiple reactivations
- Excellent adsorption capacity
- Both adsorption and transport pores

### Typical Applications

- Treatment of municipal drinking water
- Production of soft drinks and beer
- Dechlorination of process water
- Purification of MEA/DEA

### Available Particle Sizes

- 20x50 mesh (0.30 - 0.85 mm)
- 12x40 mesh (0.425 - 1.70 mm)
- 8x30 mesh (0.60 - 2.36 mm)
- 8x20 mesh (0.85 - 2.36 mm)
- 8x16 mesh (1.18 - 2.36 mm)

### Certifications and Approvals

- ANSI / NSF standard 61
- AWWA B604-96
- EN12915

### 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.

AquaSorb<sup>®</sup> 1000 is a highly economical, medium activity granular activated carbon manufactured by steam activation from select grades of bituminous coal. The perfect balance between adsorption and transport pores provides optimum performance in a wide range of water treatment applications. The product is a high density adsorbent and provides maximum volume activity. The high hardness and mechanical strength ensures negligible losses during backwashing, air scouring and multiple reactivations.



Soft drink manufacturers and breweries rely upon AquaSorb<sup>®</sup> activated carbon for dechlorination and dissolved organic removal.

### Specification

Iodine number	min. 850 mg/g
Moisture content	max. 5%
Total ash content	max. 15%
Wettability	min. 95%
Hardness	min. 95%

### Typical Properties

Surface area	900 m <sup>2</sup> /g
Methylene blue number	200 mg/g
Total pore volume	0.88 cm <sup>3</sup> /g
Water soluble ash	0.2%
Apparent density	510 kg/m <sup>3</sup>
pH	8-11

Jacobi Carbons reserves the right to modify specifications without prior notice. To obtain a full sales specification with test methods, please contact your nearest Jacobi Carbons office.



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Certified to ANSI/NSF Std. 61



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.



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