



AquaSorb Technical Datasheet



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AquaSorb® 1000 Granular coal based activated carbon



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

AquaSorb® 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.

Features

- Medium activity
- Proven drinking water adsorbent
- High density
- High wettability
- High hardness and abrasion resistance

Benefits

- Proven superior for multiple reactivations
- Excellent adsorption capacity
- Both adsorption and transport pores

Certifications and Approvals

- ANSI/NSF Standard 61
- AWWA B604-96
- EN12915
- Food and Water Codex

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.



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)

Specification

Iodine number	.....min. 850 mg/g
Moisture content	.....max. 5%
Total ash content	.....max. 15%
Wettability	.....min. 97%
Hardness	.....min. 95%

Typical Properties

Surface area	..... 900 m ² /g
Methylene blue number	..... .200 mg/g
Total pore volume	..... .0.88 cm ³ /g
Water soluble ash	..... .0.2%
Apparent density	..... .510 kg/m ³
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.