



AquaSorb® 4000

Granular reagglomerated coal based activated carbon

Product Introduction

AquaSorb® 4000 is a high activity granular activated carbon manufactured by steam activation from selected grades of reagglomerated low ash coal. As a result of the manufacturing process, the product exhibits a homogenous pore structure and a very high purity. In addition, the material wets very rapidly leaving no floating particles. The material is a high density adsorbent and provides maximum volume activity. The excellent hardness and mechanical strength ensures negligible losses during backwashing, air scouring and multiple reactivations.

Product Key Features

- High purity coal
- High volume activity
- Predominant microporosity
- Reagglomerated coal
- Excellent abrasion resistance
- Several world-wide drinking water approvals

Benefits

- Low total ash content
- Combination of high activity and high density
- High adsorption capacity
- Zero product loss, no floating granules
- Proven superior for multiple reactivations
- NSF/ANSI 61, AWWA B604, EN12915



PARAMETER	UNIT	VALUE	TEST METHOD
Iodine number	mg g ⁻¹	1000 min.	ASTM D4607
Apparent density	kg m ⁻³	460 min.	ASTM D2854
Moisture content - as packed	%	2 max.	ASTM D2867
Water soluble matter	%	0.5 max.	ASTM D5029
Abrasion number	%	75 min.	AWWA B604
Total ash content	%	9 max.	ASTM D2866

TYPICAL APPLICATIONS

- Municipal water treatment
- Residential water treatment
- Adsorption of taste and odor
- Removal of pesticides and herbicides
- Soft drinks production
- Protection of ion exchange resins
- Pretreatment of high purity water

PARAMETER	UNIT	12x40 MESH	8x30 MESH	10x20 MESH
Oversize, max.	%	5	15	5
Undersize, max.	%	4	4	4
Effective size	mm	0.55-0.75	0.8-1.0	0.9-1.1
Uniformity coefficient, max.		1.9	2.1	1.7

SWEDEN

Jacobi Carbons AB
Varvsholmen
SE-392 30 Kalmar

Phone: +46-480-417550
Fax: +46-480-417559
Email: info@jacobi.net
http://www.jacobi.net

FINLAND

Jacobi Carbons (Suomen sivul.)
Ratakatu 1b A3
FIN-00120 Helsinki

Phone: +358-9-643602
Fax: +358-9-642900
Email: infofin@jacobi.net

GERMANY

Jacobi Carbons GmbH
Feldbergstraße 21
D-60323 Frankfurt/Main

Phone: +49-69-719107-0
Fax: +49-69-719107-20
Email: infode@jacobi.net

UNITED KINGDOM

Jacobi Carbons Ltd
Niord House, Lord Street
Birkenhead, CH41 1HT

Phone: +44-151-649-8344
Fax: +44-151-649-8345
Email: infouk@jacobi.net

UNITED STATES

Jacobi Carbons, Inc.
1518 Walnut Street, Ste 1100
Philadelphia, PA 19102

Phone: +1 (215) 546-3900
Fax: +1 (215) 546-9921
Email: infous@jacobi.net