Westates® powdered activated carbon - AquaPAC

For Municipal, Industrial and Remedial Water Treatment

Description & Applications

AquaPAC carbons are virgin powdered activated carbons manufactured from selected grades of bituminous coal. Manufactured by direct activation, these microporous carbons have been specifically developed for the removal of a broad range of organic contaminants from potable, waste and process waters.

Applications

Cost effective AquaPAC powdered activated carbons developed by Siemens have been demonstrated to provide superior performance in an extensive array of liquid phase treatment applications. AquaPAC powdered activated carbons are available for:

- Dechlorination/chloramine reduction
- Removal of organic contaminants
- Taste and odor reduction
- Disinfection-by-product (DBP) removal
- Pesticide removal
- Drinking water treatment
- Groundwater remediation
- Wastewater treatment
- Industrial process water treatment
- Soil Stabilization

Quality Control

AquaPAC powdered activated carbons are extensively quality checked at our State of California certified environmental and carbon testing laboratory located in Los Angeles, CA. Siemens' laboratory is fully equipped to provide complete quality control analyses using ASTM standard test methods in order to assure the consistent quality of all Westates® carbons.

Our technical staff offers hands-on guidance in selecting the most appropriate system, operating conditions and carbon to meet your needs. For more information, contact your nearest Siemens representative.

Features and Benefits:

- ANSI/NSF Standard 61 classified for use in potable water applications
- Fully conforms to physical, performance and leachability requirements established by the current ANSI/AWWA B600-05 (which includes the Food Chemical Codex requirements)
- A detailed quality assurance program guarantees consistent quality from lot to lot and shipment to shipment

Typical Properties		
Parameter	AquaPAC 500	AquaPAC 800
Iodine No., mg I2/g	500	800
Moisture, as Packed, Wt%	4	4
Mesh Size:		
% thru 100 mesh	99%	99%
% thru 200 mesh	95%	95%
% thru 325 mesh	90%	90%

Safety Note: Under certain conditions, some compounds may oxidize, decompose or polymerize in the presence of activated carbon causing a carbon bed temperature rise that is sufficient to cause ignition. Particular care must be exercised when compounds that have a peroxide-forming tendency are being adsorbed. In addition the adsorption of VOCs will lead to the generation of heat within a carbon bed. These heats of reaction and adsorption need to be properly dissipated in order to fully assure the safe operation of the bed.

Wet activated carbon readily adsorbs atmospheric oxygen. Dangerously low oxygen levels may exist in closed vessels or poorly ventilated storage areas. Workers should follow all applicable state and federal safety guidelines for entering oxygen depleted areas.

All information presented herein is believed reliable and in accordance with accepted engineering practices. Siemens makes no warranties as to the completeness of this information. Users are responsible for evaluating individual product suitability for specific applications. Siemens assumes no liability whatsoever for any special, indirect or consequential damages arising from the sale, resale or misuse of its products.

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