

B-PAC Plus™ High Performance Mercury Sorbent

DESCRIPTION

B-PAC Plus is a high efficiency brominated powdered activated carbon.

APPLICATIONS

B-PAC Plus is specifically manufactured for the removal of both elemental and oxidized mercury from the flue gases of:

- coal fired utility boilers
- coal fired industrial boilers
- electric arc furnaces
- cement kilns
- waste incinerators
- other industrial plants

FEATURES

B-PAC Plus is optimized for immediate mercury gas access to the adsorption sites on the sorbent, which is one of the most crucial mechanisms of entrained flow adsorption of mercury.

B-PAC Plus significantly increases the utilization of the sorbent's high surface area particles and in doing so decreases the cost in use of the product.

One property of B-PAC Plus is increased flowability, which can improve the operation of ACI systems.

B-PAC Plus is manufactured with Albemarle's patented gas phase bromination technique, which provides a high level of chemical reactivity with mercury.

B-PAC Plus is highly effective in removing elemental and oxidized mercury from boiler flue gas and industrial process gas streams when injected into cold-side electrostatic precipitators and fabric filters. Mercury removal rates as high as 90%-95% are possible even in many cold-side electrostatic precipitators.

TYPICAL PROPERTIES*

Bromine, (wt %)	6
Iodine Number, mg/g	>500
Moisture, % as packed	8
Tapped Bulk Density, kg/m ³	0.8
Ignition Temperature, °C	>400
Particle size, percent passing through 325 mesh	95

*These properties are typical but do not constitute a specification either in part or as a whole. Specification data is available on request from sales, customer service or customer technical service.

**SAFETY AND HANDLING
INFORMATION**

Wet activated carbon removes oxygen from air. In a partially closed, closed or confined space, oxygen levels may become depleted. If workers are to enter a vessel containing activated carbon, all applicable low-oxygen work rules and procedures should be followed, including all applicable Federal and State requirements.

**CHEMICAL REGISTRATION
NUMBERS**

CAS: 7440-44-0

RESPONSIBLE CARE

Albemarle is committed to the safety and well-being of our customers, employees and the community at large. Safety Data Sheets (SDS) are available upon request.



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