

What is Power PAC PREMIUM?

Power PAC PREMIUM is a chemically enhanced powdered activated carbon that has been manufactured specifically for removing mercury emissions from the flue gases of coal-fired power plants. This carbon is produced from coal and lignite feedstocks that have shown to produce the most effective activated carbons in full-scale testing at power plants.

Specifications and Properties

Product Name	Power PAC PREMIUM
Description	Bromine-enhanced powdered activated carbon
Product Specifications	
Moisture	12% maximum as packed
Size	95% minimum minus 325 mesh
Typical Properties	
Tap Density	0.55–0.70 g/cm ³ (34–43.5 lbs/ft ³)
Surface Area	450–700 M ² /gm
Iodine Number	400–650
Percent Active Chemical	5% minimum
Ignition Temperature	Greater than 400 °C (752 °F)

Packaging and Delivery

ADA Power PAC PREMIUM can be purchased in 1000-pound bulk bags or 40,000-pound pneumatic trailer trucks.

Safety Warning

If powdered activated carbon becomes wet while in a confined or closed space, it may deplete the oxygen levels from the air. The oxygen content of the air in the confined space should be determined before workers are allowed to enter such a space. All applicable low-oxygen work rules and procedures should be followed.

Avoid excessive inhalation of activated carbon dust. Appropriate protective equipment should be worn when working with activated carbon, including eyewear and respiratory protection.

Product Benefits

- Effective pore structure for mercury control adsorption
- Small average particle size (15-20 microns)
- Designed for use with low halogen coals
- Effective for flue gas temperatures above 325° F
- Handles and flows well in utility injection systems
- Backed by ADA's mercury control expertise

About ADA Environmental Solutions

ADA Environmental Solutions, an environmental technology firm, is the leader in mercury emissions control and provides measurement services, compliance planning, and mercury control systems with performance guarantees. In addition, we provide proprietary flue gas conditioning chemicals for improved ESP performance and a combustion additive for slag fluxing in cyclone-fired boilers. Headquartered in Littleton, Colorado, ADA also has offices in Maryland, Pennsylvania and Texas.

