

CC-IPSp Pelletized Impregnated Activated Carbon

DESCRIPTION:

CC-IPSp is a pelletized, steam activated carbon impregnated with sulfur. This product provides superior mercury removal when treating natural gas, air, hydrogen or other gas streams. The impregnation process utilizes the S₂ form of sulfur only and the sulfur is uniformly distributed throughout the carbon pores. This allows the carbon to have the following characteristics:

- Greater total capacity for mercury adsorption.
- Near virgin CCl₄ activity of the impregnated carbon for superior organic removal.
- Greater stability of the mercuric sulfide formed on the carbon ensures that mercury will not leach into the environment from the spent carbon.
- Superior moisture resistance ensures product performance on high humidity waste streams.
- Superior temperature resistance ensures product performance at elevated temperatures.
- Improved adsorption kinetics allows for faster adsorption and less carbon is required on-line.

SPECIFICATIONS:

Pre-impregnation:

Particle Size, mm: 4

Surface Area (pre-impregnated), m²/gm: 1000 (min)

Carbon Tetrachloride Activity, % (base): 60 (min)

Hardness, %: 97 (min)

Post-impregnation:

Moisture, % (as packed): 3 (max)

Sulfur Content, %: 13 (min)

Apparent Density, g/ml: 0.50-0.57

Mercury Capacity, %: 65 (weight)

Recommended Adsorption Contact Time, (sec): 10 to 30

Effluent Mercury Concentration: <0.001 ppb (v)

STANDARD PACKAGING:

Standard packaging is 55 lb. bags. Other sizes available upon request.

SAFETY MESSAGE

Wet activated carbon removes oxygen from air, causing a severe hazard to workers inside carbon vessels. Confined space/low oxygen procedures should be put in place before any entry is made. Such procedures should comply with all applicable local, provincial/state and federal guidelines.

For More Information:

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