CarbPure® GAC 830

Granular Activated Carbon for Water Treatment

CarbPure GAC 830 is a high quality granular activated carbon designed to remove dissolved organic and inorganic contaminants from surface, ground, and wastewater.

CarbPure GAC 830 is produced by agglomeration of a raw bituminous coal-based feedstock sourced in the United States. The coal goes through a multi-staged washing process to significantly reduce the level of impurities and ash from the feedstock. The material is reagglomerated and shaped into a uniform spherical structure before it is carefully steam-activated to produce a granular product with effective adsorption of a broad range of target contaminants.

CarbPure GAC 830 meets ANSI/AWWA B604-18 standards and is certified to NSF/ANSI Standard 61.

Package and Delivery

CarbPure GAC 830 can be delivered in supersack bags.

Product Specifications

Iodine Number	900 mg/g (min)
Moisture	$2\%_{wt}$ (max)
Effective Size	0.8 - 1.5 mm
Uniformity Coefficient	2.1 (max)
Abrasion Number	78% (min)

Typical Properties

Typical Apparent Density	0.47 g/mL*

*For general reference, not to be used for purchase specifications

Screen Size by Weight, US Sieve Series Numbers

On 8 mesh	$5\%_{wt}$ (max)
Through 30 mesh	$5\%_{wt}$ (max)

Product Benefits

- Reagglomerated coal-based granular activated carbons are 100% sourced and activated in the United States
- High purity, low-ash GAC
- Reagglomeration of ultra-fine, virgin primary particles provides kinetic adsorption benefits
- Spherical GAC shape can provide more efficient packing for low, uniform GAC bed pressure drop.
- Low abrasion design offers improved adsorber life cycle
- Specialized pore sizing and carbon surface characteristics for effective contaminant capture

What it Captures

- PFAS (per-and-polyfluoroalkyl substances)
- Herbicides
- Hazardous algal toxins (HABs))
- Total organic carbons (TOC)
- Volatile organic compounds (VOC)
- Chlorinated solvents
- Polychlorinated bephenyls (PCBs)
- Petroleum hydrocarbons like; benzene, toluene, ethylbenzene, and xylene (BTEX)
- Taste and odor compounds (such as MIB and geosmin)
- Power plant coal combustion residual (CCR) inorganics

Updated 09.03.25

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