

# WSC-470

## Pelleted Activated Carbon



### Description

WSC-470 is a 4 mm coconut shell based pellet type activated carbon designed for use in steam regenerated solvent recovery systems. The pore structure and purity makes this carbon particularly suited to the removal of solvents such as acetone, methylene chloride, and ethanol. The high purity of this carbon also makes it suitable for use as a catalyst support.

### Applications

Some of the typical applications for WSC-470 activated carbon include:

- Solvent recovery
- Gas processing and purification
- VOC control
- Catalyst/support
- HVAC

### Safety Message

Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed, including all applicable Federal and State requirements.

### Design Considerations

The design of an activated carbon adsorption system is dependent on the adsorbate type, influent concentration, temperature, flow rate, performance objective, and other factors. Calgon Carbon can help evaluate the suitability of activated carbon to satisfy specific needs and assist in the design of an adsorption system. In addition to the supply of activated carbon, Calgon Carbon offers adsorption systems and carbon reactivation services to meet particular treatment objectives. For additional information on adsorption capacity of organic compounds, please contact the Calgon Carbon Technical Sales Office in your area.

### Specifications

Carbon Tetrachloride Number by weight	70 (min)
Ash by weight	8% (max)
Moisture, as packed by weight	4% (max)
Hardness	95 (min)
Screen Size by weight, U.S. Sieve Series	
Through 6 mesh	5% (max)

### Packaging

- 44 lb. (20 kg) bag
- 1,100 lb. (500 kg) super sack

### Features

High apparent density carbon change outs
High volumetric adsorption capacity
Pellet shape
Thermal activation with reducing atmosphere
Low ash content
All carbon structure suitable for multiple cycles of in-situ regeneration or high temperature reactivation

### Benefits

Maintain particle integrity for longer life.
Longer adsorption cycles between in-situ regenerations.
Lower steam to solvent ratio.
Lower emissions for environmental compliance.
Lower system operating cost.
Low pressure drop.
No residual activation chemicals to interfere with application.
More carbon structure for adsorption.
Allows for ultimate destruction of adsorbed organics with minimal loss of the original carbon structure.
Allows for reuse of the carbon; eliminates disposal problems.



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### Your local representative