

## Clairo Carb - Activated Carbon Granules

The chemical filtering material of CC Carb series is based on high-quality, dustfree activated carbon impregnated with alkaline chemicals. State-of-the-art impregnating technology ensures an extremely large area and uniform distribution. Applications include wood processing industry, sewage treatment plants, petrochemical industry, composting plants and process industry.

### Clairon Models

#### Model: CC Carb

Coconut Shell or Coal Based  
Offered in Pellets or Granules  
Tailor Made CTC activities  
Excellent Odor Removal



### Media Features and Technical Details

In unimpregnated form the adsorption force of activated carbon absorbs all kinds of organic fumes and odours. The use of special impregnating chemicals renders activated carbon capable of absorbing all types of harmful and corrosive gases. Depending on the conditions, extremely large amounts of hydrogen sulphide, sulphur oxide and other acidic gases can be adsorbed into the carbon. The impregnating agent acts as a catalyst, converting hydrogen sulphide and sulphur oxide compounds as well as other acidic gas into non-volatile, inorganic compounds. This eliminates the possibility of desorption.

Contrary to other impregnated activated carbons, the water content of CC Carb materials is extremely low - less than 5 %, in practice usually only 2-3 %. The large surface crystallites of dried impregnating agents gain access into the air flows, whereby the moisture condensed in the porous structure cannot prevent their action.

After use, impregnated activated carbon can be disposed of by burning it in an industrial process into ashes, whereby sulphur gas can be safely separated from the emissions. The used material can also be delivered to a landfill as such.

### Technical Properties ▼

- Size :** 3mm, 4mm and 9mm pellets and 8x16 / 6x12 / 4x8 mesh size granules
- Material :** Steam Activated Coconut Shell (CC Carb 1/70) and Activated Coal (CC Carb 2/70)
- Area :** 1100 g/m<sup>2</sup>
- CTC Capacity :** Minimum 70% w/w
- Hardness :** Minimum 95% w/w
- Bulk Density :** Minimum 0.45 gram/cm<sup>3</sup>
- Moisture Content :** Maximum 5% w/w
- Impregnation :** Alkali Metal Halide and Hydroxide
- Package Size :** 25 Kg per bag
- Application :** filtering material or acidic gases

All data are average indicative values with usual manufacturing and testing tolerances. We reserve the right to modify performance data without prior notices due to the constant technical improvement.

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